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Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 138
Number 12

September 16, 1940

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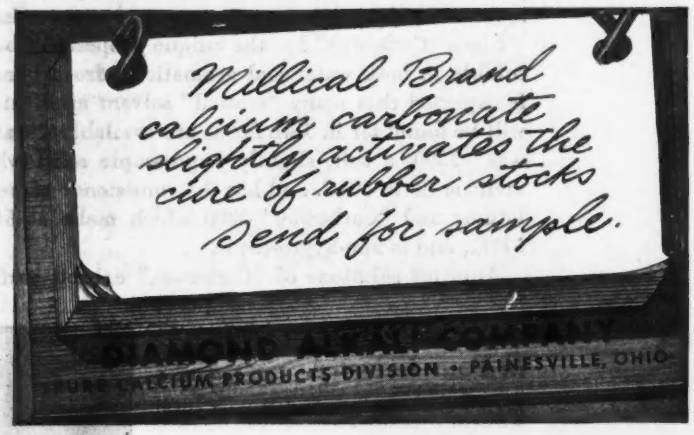

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Many additional applications other than those listed below will readily suggest themselves. Because conditions of use for any one of the suggested uses listed below may be quite varied, it is not possible to guarantee the results which may be obtained. Experimental work, simulating actual conditions of contemplated use, may be necessary. Further information as well as samples for experimental purposes are available upon request.

***Suggested uses for* "CARBOWAX" *in Your Industry.* . . . . . .**

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

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RECEIVED SEP 16 1940 LIBRARY NEW YORK DRUGGISTS CLUB

Volume 138 **September 16, 1940** **Number 12**

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Drug Law Application Interpreted by F.D.A.

OPD Washington Bureau
September 11, 1940

Tentative rulings on drugs and colors, issued by the Food and Drug Administration under the food, drug, and cosmetic act in recent answers to inquiries from the trade, include the following information relative to the application of the law:—

Laxative Warnings

Laxative warnings need not appear in labeling of agar or products containing only gelatinous material from spyllium seed.

Lists of Ingredients

If the ingredients of a drug product are listed in a manner suggesting that all are mentioned, the list should be complete. In addition the list should make a distinction between physiologically active substances and inert constituents. It is further suggested that the active ingredients be listed in the order of importance, and that consideration be given whether or not section 201 (n) of the act requires an explanation regarding insignificant dosage supplied by any listed ingredient.

Dangerous Drugs

A recently furnished list of drugs considered dangerous contained the following: — Aminopyrine, aspidium, barbiturates, benzedrine sulphate, carbon tetrachloride, chenopodium oil, cinchophen, neociphophen, santonin, sulphanilamide, sulphopyridin, tetrachloroethylene, thymol, and thyroid; also products containing therapeutically effective proportions of digitalis, squill, strophanthus, and other pharmacologically related drugs, and ointments containing more than 0.2 percent of mercuric chloride or more than 5 percent ammoniated mercury. No attempt was made to list all dangerous drugs, and it is the responsibility of the manufacturer and distributor to decide which drugs are unsafe for indiscriminate distribution.

Chlorobutanol

Chlorobutanol must be declared quantitatively on the label regardless of the amount in the preparation. When added for its preservative effect, its amount should be indicated, but not as part of the designation. When present as an active ingredient, it should be declared as part of the designation. Preparations of bismuth subsalicylate in oil containing anal-

—Continued on page 37

Turpentine Farmers To Discuss Control

OPD Washington Bureau
September 12, 1940

An outline of the proposed naval stores conservation program for 1941 will be presented to a mass meeting of all interested producers in Jacksonville, Fla., September 19.

The program is now being framed by officials of the Forest Service and Agricultural Adjustment Administration of the Department of Agriculture following conferences all last week with a committee representing the American Turpentine Farmers Association Cooperative. As tentatively outlined, the program will be continued in substantially the same form as at present with possibly a slight increase in production and with approximately the same benefit payments. Some terms may be tightened up somewhat to improve harvesting methods and forestry practice. After the Jacksonville meeting the program will be drafted in final form and probably will be ready for approval by the Secretary of Agriculture by late October or early November.

Quinine Substitute Intermediate Developed

Solution of one step in the problem of developing a satisfactory synthetic antimalarial medicament was reported to the American Chemical Society September 11 by Prof. Henry B. Hass and H. C. Huffman, of Purdue University, who have been able to synthesize an essential aliphatic side-chain intermediate in the synthesis of plasmochin and atabrin. The Purdue chemists believe that their discovery has made this synthesis easier and has made possible and easy the synthesis of many related compounds which are now being tested, and which, they hope, will yield one or more better substitutes for quinine.

The new processes, Professor Hass said, are of possible significance in either one of two ways. In case the Winthrop Chemical Company, manufacturer of atabrin and plasmochin,

—Continued on page 50

F.W.D.A. Hears Arnold On Antitrust Activities

Hot Springs, Va., Sept. 11, 1940

A strong feeling that continuous improvement characterized the cooperative system of distribution in general and particularly in the wholesaling of drug-store merchandising was evidenced in numerous ways during the twenty-fifth annual meeting of the Federal Wholesale Druggists Association which was completed here today.

S. C. James
Re-elected F.W.D.A. President

A decided upswing was noted by the president, S. C. James, in his official address. Opportunities to extend a cooperative's functioning to a larger part of its members' buying were presented by the secretary, R. C. Schlotterer. Both officers stressed the purpose of cooperatives in providing savings for retailers and in enabling them to operate with greater competitive efficiency.

Various problems of merchandising

R. C. Schlotterer
Re-elected F.W.D.A. Secretary

were discussed in the closed sessions of the active (wholesaler) members, particular attention being urged by Mr. Schlotterer for the matter of labor conditions when the forty-hour week becomes mandatory and the defense draft is operative.

The joint sessions—there were two of them—of active and associate (manufacturer) members were this year devoted to listening to informative talks, rather than to intergroup discussions of mutual problems.

Statements of Policy

The active members adopted formal statements of policy and purpose for the association on various matters as follows:—

Public Relations

That the association continue to widen its public relations program in respect of the economic advantages of cooperative operation.

Cost Accounting

That a survey of member houses be made on such relevant subjects as comparative office and administrative expenses and total expenses of occupancy, selling, and complete wholesale functioning, and that the resulting data be applied to the development of a uniform system of accounting.

William D. Barry
Re-elected Chairman F.W.D.A. Associte Group

—Continued on page 52

Boston Distribution Conference October 7

The twelfth annual Boston Conference on Distribution will be held in the Hotel Statler October 7. The conference is sponsored by the Retail Trade Board of the Boston Chamber of Commerce in conjunction with the Harvard University Graduate School of Business Administration, the Massachusetts Institute of Technology and the Boston University College of Business Administration.

Among the speakers are Harvey S. Firestone, jr., of the Firestone Tire & Rubber Company; Harold H. Swift, vice-chairman Swift & Co.; Thurman Arnold, assistant attorney general of United States; Governor Lloyd C. Stark, of Missouri; Sir Louis Beale, of the British Purchasing Commission; Dr. Nathan Isaacs, of Harvard University; Prof. Carl Shoup, of Columbia University, and Dr. David R. Craig, president of the American Retail Federation.

Among the subjects of papers are:— "Effect of War Conditions on Distribution," "Price Behavior and Business Policy," "Economic Factors in the Business Outlook," "War Emergencies and Trade Practices," "Retail Prices and Government Control," "Taxes and Consumer Spending," "Government and Business," and "Results of the 1940 Business Census."

Patman Act Brokerage Clause Held Applicable to Cooperatives

OPD Washington Bureau
September 12, 1940

An order to cease and desist has been issued by the Federal Trade Commission against a group of baking companies associated together in an organization known as Quality Bakers of America, has been upheld by the United States Circuit Court of Appeals for the First Circuit, Boston, Mass. This case was brought by the commission to prevent the payment or receipt of brokerage fees or allowances in violation of paragraph (c) of section 2 of the Robinson-Patman act, usually referred to as the brokerage section, to reach the courts.

The decision in the Quality Bakers case was reached unanimously by a three-judge court. In its opinion, the court found that the findings of fact as made by the commission, which provided the basis for the order to cease and desist, were supported by the evidence in the record. These findings were that Quality Bakers of America is a voluntary unincorporated association composed of some seventy wholesale baking concerns located in various parts of the country. These baking companies are the holders of the stock in Quality Bakers of America, Inc., a Delaware corporation. This corporation acted as purchasing agent for its stockholders, who were also members of the association and collected brokerage fees on purchases made, one-half of the fees being credited to the buying stockholders and the remainder being used to render various services and benefits to the stockholders.

In passing upon the question of law involved, the court gave the brokerage section of the Robinson-Patman act the construction which had been placed upon it in a report made by

—Continued on page 62

Closing Markets

Copper Firmer

Custom smelters advanced price of domestic copper ⅛c. to 11⅜c. per pound, while primary producers retained the 11½c. per pound basis. The release of August statistics created a better tone in the market. Business was moderate.

Cottonseed Oil Easier

Refined cottonseed oil futures were easier with lard. Local and outside longs liquidated and there was further hedge selling. Closing prices were 20 to 25 points below the final quotations of the previous week. December closed at 5.56c. and March 5.67c. Southern markets for cottonseed products were quiet and easy.

F.T.C. Hits Discounts On "Split Business"

OPD Washington Bureau
September 12, 1940

International Salt Company, Scranton, Pa., and its subsidiaries, International Salt Company, Inc., Scranton, Independent Salt Company, New York, and Eastern Salt Company, Boston, are charged with price discrimination in violation of the Robinson-Patman act in a complaint issued by the Federal Trade Commission.

The complaint alleges that the respondents have discriminated in price between different purchasers by selling their products to some customers at lower prices than they sell products of like grade and quality to other customers competitively engaged with the favored customers.

These discriminations, the complaint continues, are accomplished by the granting of a discount of approximately 5 percent of the list price to customers who purchase a carload of salt, by "split business" discounts and by "combine selling" discounts.

The "split business" discount, ac-

Continued on page 44

I.C.C. to Set Rates For Water Carriers

OPD Washington Bureau
September 9, 1940

Voting 59 to 18, the senate today adopted the conference report on the Wheeler-Lea omnibus transportation bill and sent the measure to the White House for the signature of the President. The house previously had voted its approval. The feature of the measure is that it brings under the regulation of the Interstate Commerce Commission all forms of water carriers, except those engaged in transoceanic operations. Inland waterways, which heretofore have not been under regulations either by the commission or the Maritime Commission, will now have their rates subject to Interstate Commerce Commission regulations.

Hercules Powder Plant Destroyed by Explosions

Tons of high explosives blew up last week in the Kenvil, N. J., plant of the Hercules Powder Company, killing an estimated thirty to fifty workers and destroying about twenty buildings of the plant.

Two major explosions, which did most of the damage, were followed by several minor blasts, starting fires that levelled most of the buildings on the site. William C. Hunt, director of operations for the company, who sped to the scene with motorcycle escort, said that property damage was at least $1,000,000 and might run to $3,000,000. It was said in Wilmington the company had contracts totaling $90,000,000 with the American and British governments, but that the Kenvil plant was working entirely on orders placed by the United States Army.

Ammonia Output Ordered Stepped Up by U. S.

The War Department today authorized a number of companies to increase production facilities for ordnance projects. Among them were E. I. du Pont de Nemours & Co., Wilmington, and the Allied Chemical & Dye Company, New York, for construction of ammonia plants, and the Humble Oil & Refining Company, Houston, construction of toluol plant.

Chemical Price Level Unchanged

Price advances and reductions counterbalanced one another in influence on the level of the markets for heavy and fine chemicals last week. They indicated no specific trend. An advance in zinc oxides was notable.

The volume of business done showed some gain from the preceding week. Seasonal activities were more in evidence. Some reflection of defense preparedness was discernable.

Prices were advanced on zinc oxides, cornstarch, corn dextrin, tanner's corn sugar, corn syrup, copper carbonate, copper chloride, gum rosin, gum turpentine, and domestic dried blood.

Prices were reduced on electrolytic copper, straits tin, tetrachloride of tin, fluorspar, domestic potato starch, copal and elemi gums, sago flour, domestic egg yolk, blackstrap molasses, and cottonseed meal in the Southeast.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 129.6 (100 = average at August 1, 1914). In comparison with average prices in 1936 (as 100), the REPORTER'S index number is now 91.8, compared with 90.0 at this time last year and 89.0 in 1938.

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Sales Better in July

Domestic sales of wholesalers of chemicals, oils, and drugs were higher, with one exception, during July, 1940, as compared with the same month in 1939, according to data compiled by the Department of Commerce. The exception was in petroleum products, which showed a decline. Export activities in chemical and related products varied in the comparison of the two periods.

Manufacturers' shipments during July also were higher than a year ago in chemicals, petroleum, and rubber products. Both producers' and wholesalers' petroleum inventories were lower than in 1939 at the monthend. Ohter industries in the field of the REPORTER recorded larger stocks. Comparisons for various groups and some single commodities follows:—

Wholesale Sales

	Percentage comparison with July, 1939
Chemical products	+15.3
Drugs and druggists' sundries	+ 6.8
Paints and varnishes	+25.8
Petroleum	— 8.9

Manufacturers' Shipments

Chemicals and allied products	+10.3
Petroleum refining	+ 1.9
Rubber products	+21.1

Exports

Coaltar chemicals	+290.7
Gas and fuel oils	— 28.4
Industrial chemicals	+126.6
Lard	+ 11.0
Lubricating oil	— 28.3
Medicinal products	+ 53.3
Motor fuels	— 57.0
Naval stores and resins	— 33.2
Oilcake and meal	— 95.5
Paints and varnishes	— 17.7
Petroleum, crude	— 23.1
Phosphate rock	— 46.5
Pigments	+ 29.4
Soaps and toiletries	— 13.8
Sulphur, crude	+ 11.6

Retail Sales

Drug stores, independent	+ 2.6
Chains	+ 4.0
Inventories	+ 5.0
Filling stations, independent	— 3.2

Wholesale Inventories

	Compared at July 31,
Drugs and druggists' sundries	+ 0.2
Industrial chemicals	+ 13.4
Paints and varnishes	+ 9.3
Petroleum	— 7.5

Manufacturers' Inventories

Chemical and allied products	+ 11.6
Petroleum refining	— 1.6
Rubber products	+ 20.5

G.L. Cunningham Joins Columbia Alkali Corp.

Dr. G. L. Cunningham has joined the technical service department of the Columbia Alkali Corporation, chemical sales division of the Pitts-

Dr. G. L. Cunningham

burgh Plate Glass Company. A. E. Daley has joined the sales staff and will operate as a representative on less than carload sales of Columbia products in the Chicago metropolitan area.

Dr. Cunningham, since 1930, has

—*Continued on page* 30

N.P.V.L.A. Credit Group To Meet September 20

Chairman H. E. Rhell, chairman of the credits and collections committee of the National Paint, Varnish and Lacquer Association, has called a meeting of his committee at association headquarters, 1500 Rhode Island avenue, N. W., Washington, D. C., September 20, 1940, at 10 a.m. (E.S.T.).

Draft Bill Presents Puzzles for Business

OPD Washington Bureau
September 12, 1940

The Burke-Wadsworth selective military service bill will have important effects on business, both in regard to the drafting of employees and the possible seizure of plants by the government.

The "draft industry" amendment to the bill provides that the government can take over on a rental basis plants which refuse defense orders, but adds the proviso that the President must first declare an imminent emergency. If the owner is not satisfied with the compensation, he may sue the government for additional payment.

The bill calls for the registration and draft of men between the ages of twenty-one and thirty-five, inclusive. It is estimated there are 16,500,000 men in that age group in the country. After exemptions are made, the army believes about 5,000,000 men will be eligible for service. Exempt classes fall into three groups:—(1) Those employed in occupations essential to the national defense, (2) men with dependents, and (3) men physically unfit.

No specific occupations are named as falling under the first group, except men in the military forces and officials of Federal and local governments. Power of exemption is given to thousands of local draft boards to be set up over the nation.

Beginning immediately after the bill is signed by the President, the army will start to call up 400,000 men this Fall; a like number will be drafted next Spring; and about 800,000 a year until 1944. The bill limits the number of draftees who can be called in any one year to 900,000.

Included in the bill is a provision that private employers should restore

—*Continued on page* 35

Soybean Oil Use Expanding Widely

The rise in importance of soybean oil as an industrial raw material has resulted in the inauguration of trading in the futures of the oil on the New York Commodity Exchange. The first trading took place September 3. Under the trading rules established, the daily trading period is from 10 a.m. to 2:35 p.m., with a mid-day call at 12:30 p.m. Saturday hours are from 10 a.m. to 11:35 a.m.

At the start of operations trading was for October and the seven succeeding months. Quotations are made in cents and hundredths of a cent per pound. The contract is for 60,000 pounds of loose prime crude soybean oil, produced from domestic beans. Tenders on contracts are required to be made in warehouses licensed and bonded by the exchange. Such warehouses are located in Decatur and Chicago, Ill.; Louisville, Ky., and Elmhurst, N. Y.

Soybeans have been grown in this country for many years, but only during the past decade has their industrial processing become of major commercial importance. As late as 1929 records indicate that only 9,398,000 bushels of soybeans were threshed,

—*Continued on page* 47

Oils Free from Federal Excise Tax Are Listed

OPD Washington Bureau
September 9, 1940

A number of oils which are not subject to the Federal excise tax on lubricating oils are listed in a ruling just issued by the Bureau of Internal Revenue, which states:—

The following oils are held not subject to tax when sold direct by the manufacturer to a consumer for nonlubricating uses under the conditions prescribed in section 314.43 of regulations 44 (1939): agricultural spray oil, air conditioning oil, battery oil, cordage oil, cotton softener oil, electrical impregnating oil, floor sweeping compound, fur dressing oil, ink oil, metal wash oil, meter oil, molding oil (for rubber tires), oil used as a nonlubricating component material in the manufacture of a nontaxable product, paint oil, paper impregnating oil, putty oil, rayon oil, rust preventative, silk oil,

—*Continued on page* 60

Nepheline Syenite Dutiable at 15%

OPD Washington Bureau
September 9, 1940

Customs collectors have been instructed to assess on ground nepheline syenite a duty of 15 percent ad valorem under the 1930 tariff act, in spite of a recent United States Customs Court ruling which held that the substance was free of duty.

The Department of Justice, siding with the Bureau of Customs, is preparing to bring a court case to have ground nepheline syenite brought under the 15 percent duty classification.

Insecticide Misbranding Citation Method Changed

OPD Washington Bureau
September 11, 1940

A change in the method of citing manufacturers for alleged misbranding of insecticides has been made necessary as a result of the recent government reorganization order transferring the Food and Drug Administration to the Federal Security Agency and leaving the insecticide division in the Department of Agriculture.

An order issued today by the Secretaries of Agriculture, Commerce, and the Treasury revokes part four of the regulations for the enforcement of the insecticide act of 1910 relating to hearings. Under the regulation revoked, a manufacturer was cited for violation of the act and was given an opportunity for a hearing before one of the eighteen field stations of the Food and Drug Administration before the case was taken to court.

The insecticide division is now divorced from the Food and Drug Administration, and the Agricultural Marketing Service of which it is now a part has no facilities for holding hearings in the field. In the future a manufacturer will be cited and will be given a hearing in Washington or an opportunity to reply by letter.

—*Continued on page* 37

Toluol From Petroleum Proved Practicable

Two tankcars, or 20,000 gallons, of nitration toluol have been produced synthetically from petroleum for testing purposes by a subsidiary operating company of the Standard Oil Company of New Jersey. While this relatively small quantity of toluol involved an expenditure far out of proportion to its value, the company announced that its production demonstrated the practicability of manufacturing out of petroleum large quantities of a cost comparable with supplies from normal sources.

On the basis of results achieved by the engineers and chemists of the Standard Oil, an offer has been made to enter into an arrangement with the government to produce nitration toluol in quantity approximately as great as the total coaltar production of toluol now available. The proposal was submitted by an affiliate, the Humble Oil & Refining Company of Texas.

Under such a contract, Humble would erect and operate a govern-

—*Continued on page* 61

Color Certification Totals Issued by F.D.A.

OPD Washington Bureau
September 12, 1940

The Food and Drug Administration has compiled statistics showing the amount of coaltar colors for use in food which it has certified during the last calendar and fiscal years. This follows a custom of several years' standing, but is the first compilation since certification became compulsory. No figures have been compiled on drug and cosmetic colors certified. The statistics on food colors, in pounds, are as follows:—

	Calendar year 1939.	Fiscal year 1940.
Blue No. 1	4,162	10,877
Blue No. 2	1,838.5	4,172.5
Green No. 1	413	728
Green No. 2	1,158	849
Green No. 3	628	820
Orange No. 1	82,740	89,965
Orange No. 2	6,951	6,485
Red No. 1	50,149	49,532
Red No. 2	135,095	139,868
Red No. 3	8,076	10,935
Red No. 4	18,728	14,023
Red No. 32	4,692	8,318
Yellow No. 1	869	1,299
Yellow No. 2	...	...
Yellow No. 3	10,351	15,019
Yellow No. 4	20,177	10,929
Yellow No. 5	109,679	112,651
Yellow No. 6	52,286	74,151

—*Continued on page* 37

Phosphate Conference States Objectives

The need for continuance of research was stressed at the fourth Western Phosphate Conference, held September 5-6, under the sponsorship of the land grant colleges and universities. Among the speakers were representatives of Federal and State governments, and of industry and science. The conference went on record as recognizing the vital importance of phosphorous to the future of American agriculture, and the indispensible need of this element to maintain soil fertility, to control erosion, and to support plant and animal growth, as well as human health and vigor. The report of the committee on principles and objectives of the conference follows:—

Need for Research

Reports of scientific study continue to reveal the need for continued research in:—

The vast resources of this region in both phosphate and the other materials necessary for its successful processing.

The most effective methods for its successful and profitable use, including analysis of soils, requirements of various plants, characteristics of different forms of fertilizer, and methods of application.

The processes for refining the raw materials and in ways that will make phosphorus, in suitable form, available cheaply in large quantities over large agricultural areas.

A better understanding of the part played by phospohus in the soil; in plant, animal, and human nutrition; and in industry and national defense.

Field Tests

This conference urges continued research and experimentation by the farmers in field tests, by the States through their agricultural colleges, by industry and the Federal government.

Governmental Assistance

The conference believes that eventu-

—*Continued on page* 61

U.S. Chemists to Be Organized for Defense

Detroit, September 13, 1940

A complete census of all chemists and chemical engineers in the United States recording in detail the specialized services which they are prepared to perform will be taken by the American Chemical Society, it was announced at the annual convention of the society, held here September 9-13. This action, it was said, was being taken at the request of President Roosevelt. The society has a membership of more than 25,000.

The undertaking was characterized as a step of major importance in the development of preparedness plans and one which will avoid the waste of scientific and technical brains which occurred in the Allied Armies in the World War, threatening munition supplies.

The work, which will be financed by the society, will be directed by E. M. Billings of the Eastman Kodak Company, Rochester, N. Y., and will be related to a national project to assemble a roster of scientific and specialized personnel, of which Dr. Leonard Carmichael, president of Tufts College, is director, and James C. O'Brien, defense liaison official for the Civil Service Commission, executive officer. The American Chemical Society is acting as agent for the enrollment of the chemists and chemical engineers of America.

Mr. Billings is being assisted by about fifty leaders in various specialties in chemistry and chemical engineering in the initial task, now nearing completion, of devising a classification code.

Future of the Lead-Zinc Industry

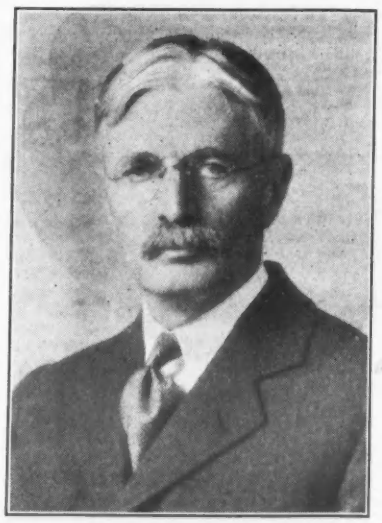
By Clinton H. Crane

President, St. Joseph Lead Company

Address September 12, 1940, at Salt Lake City regional meeting of American Institute of Mining and Metallurgical Engineers

Dr. Tilney, the great expert on the study of the development of the brain of human beings and animals, tells us that the greatest difference between the human brain and the brain of animals is that man alone has shown evidence of being able to predict the future. Just why he throws overboard the busy bee who lays up honey for the Winter, the squirrel who gathers nuts, and the humble ant, I do not know. At any rate, it is nice to be assured by an authority that we have this power of prophecy. My own experience with attempting to prophesy the future has convinced me that our only possibility of being good prophets is to be good students of history. So I am afraid I must bore you with a little history of the lead and zinc industry.

You are all doubtless familiar with the many papers read in the late '20s on the subject of lead and zinc, which showed the uses proceeding year by year in geometrical progression, and concluding, as geometrical progressions usually do, with sums so far in excess of possible supply that at some point the prophet always leveled off his curve. In the '30s the general opinion was that we had already reached the leveling off point and perhaps had exceeded it. However, a glance at the history of consumption over the past ten years shows that outside the United States there has been a steady growth in the uses of both metals from a low point in 1932 of 1,186,000 tons of lead and 810,000 tons of zinc, to a consumption in 1938 of 1,772,000 tons of lead and 1,489,000 tons of zinc—both figures higher than in any of the boom years of the '20s. During practically all these years the



Clinton H. Crane

miners were complaining that prices were too low, and that they could supply much more lead and zinc if they could sell it. While this is true

—*Continued on page* 43

Fernald Gets Leidy Medal

Philadelphia, September 8, 1940

Dr. Merritt L. Fernald, Harvard botanist, today was named recipient of this year's Leidy Medal for his "outstanding contributions to the floristics of the Eastern part of North America, including the Maritime Provinces and the Coastal Plain Regions of the Southern United States, and his correlations of the present-day distribution of plant life in North America with geologic history". The medal, sponsored by the Academy of Natural Sciences, Philadelphia, will be presented at a reception at the academy September 17.

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Current Market Quotations

September 13, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .07 - —
tanks, dlvd.....lb. .05 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.... 100 lbs. 8.43 - 8.68
tanks .....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply div'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb .22 - .25
Ascorbic, bots., dms .. .. oz 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse...ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .13 - .13½
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .16 - .17
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N. Y. lb. .15¾- —
smaller quantities, dlvd. N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10 - .10½
Corn, dist., dms.....lb. .08½- .09
Cottonseed oil, dist., dms....lb. .07¾- .08
tanks .....lb. .07¼- —
Cresylic (coaltar) high-boil 50% 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50% 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50% 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50% 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East, U.S...gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East., U.S..gal. .49 - —
l.c.l., same basis...gal. .50 - .51
tanks, dlvd., East. U.S..gal. .448 - —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd..lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over....lb. .11 - —
1-24.....lb. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI. bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H. bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, U.S.P., 48%...lb. .48 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .66 - .06½
rubber dms.....lb. .08 - .08½
48%, lead cbys.....lb. .12 - —
rubber dms.....lb. .11 - —
52%, lead cbys.....lb. .13 - —
rubber dms.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works.. 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works..100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11⅛
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12⅛
Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13⅛
5 to 10, cbys.....lb. .12⅝- .13⅝
1 to 4, cbys.....lb. .13⅛- .14⅛
80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms.....lb. .11½- .12
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .12¼- .12¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .93 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24 works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24 works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .06¾- .07¼
tanks .....lb. .06¼- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1,347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, dist., double pressed, bgs., dlvd..lb. .09 - .10
single pressed, bgs., dlvd..lb. .08½- .09½
triple pressed, bgs., dlvd..lb. .11¾- .12¾
saponif., double pressed, bgs., dlvd..lb. .09¼- .10¼
triple pressed, bgs., dlvd..lb. .12 - .13

Acid, succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 -
10 to 24, works...100 lbs. 1.60 -
1 to 9, works...100 lbs. 2.20 -
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 -
10 to 24, works...100 lbs. 1.85 -
1 to 9, works...100 lbs. 2.45 -
tanks, E. works.....ton.16.50 -
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. lots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. lots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .93 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .41¼- —
smaller quantities...lb. .41¾- —
kgs. .....lb. .42¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .32 - .34
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vis. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .26½- .27
hyd., dms.....lb. .24½- .25
Agar, 1, bls.....lb. 1.35 - 1.40
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld...lb. .55 - .62
import ,bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .54 - .60
powd., dms., bbls.....lb. .59 - .65
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, dms., l.c.l., wks....lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works...lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09¼- —
tanks, frt. alld.....lb. .08 - —
tankwagon, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. paid E. of Miss. R...lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12¾- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms....lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .29¼- —
19 bbls., E. works....gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works...gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Alcohol—Ammonia Linoleate

Alcohol, special solvent, dms., c.l., frt.alld..gal. .29½- —
1 to 19 dms.....gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tech., dms., c.l., dvld.....lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 5.90¼- —
10 bbls.....gal. 6.03 - —
1 to 18 bbls.....gal. 6.06 - —
dms., c.l.....gal. 5.98¼- —
10 dms.....gal. 6.02- —
5 to 18 dms.....gal. 6.05 - —
1 to 4 dms.....gal. 6.07 - —
tanks .....gal. 5.92¼- —
absolute, dms., c.l.....gal. 6.33¼- —
10 dms.....gal. 6.37 - —
1 to 18 dms.....gal. 6.40 - —
1 to 4 dms.....gal. 6.42 - —
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
Tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs, works, lb. .30 - —
l.c.l., 500 lbs, and more, works..lb. .25 - —
Alcohol, isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 3.35
Polyvinyl, type A, fiber-pack, 2,000 lbs, and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
450-lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .80 - .85
peeled, bls.....lb. .58 - .63
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phil..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila...100 lbs. 3.90 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd, N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
Alum, potash, lump, bbls., works, 100 lbs. 4.00 - —
dlvd. N.Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd, N.Y., Phila..100 lbs. 4.15 - —

Potash alum prices on same basis as those for ammonia alum.

Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls. ,c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron,free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works.....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .18 - —
l.c.l. .....lb. .19 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .61 - —
ink, dms., 1,500 lbs.....lb. .71 - —
standard, dms., 1,500 lbs..lb. .38 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .38 - —

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N. Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l .....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, bbls., dlvd., Met. N.Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .13 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —

TiO_2

The two lowest cost raw materials for the production of all Molybdenum compounds, including Molybdated pigment colors, are:

PURE MOLYBDENUM TRIOXIDE
AND TECHNICAL MOLYBDENUM TRIOXIDE

Our development department will gladly take up with you any problems involving the application of Molybdenum

Climax Mo-lyb-den-um Company
500 Fifth Avenue, New York City

MOLY

Ammonia, molybdate, kgs., wks., lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 Nom.
Persulphate, kgs. ,dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- —
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Sept.-Dec. shipt..ton.28.00 - —
spot, same basis.....ton.29.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
Red, 48%, cbys., works...lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks. .....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
cns., works.....lb. .16 - .16
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import, natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms.. works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .14 - .15
Cyprus, bgs.....lb. .16 - .16½
Mexican, bgs.....lb. .14 - .14½
Star .....lb. .16 - .16½
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80 83%, bbls., wks., lb. .55 - —
90%, bbls.. wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd.....lb. .18 - .22
Oxide, bgs., c.l.....lb. .13 - .14
l.c.l. .....lb. .14½- —
Salt, 65%, dms.....lb. .50 - —
bbls. .....lb. .58 - —
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -28.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .12 - .13
Arecoline hydrobromide, bots..oz. 5.00 - 6.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .85 - .90
Root, bls.....lb. .43 - .55
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03¼- —
l.c.l. .....lb. .04 - —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .56 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (30 tons). Canad. mines..ton.42.50 - —
5R, bgs., c.l. (30 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons). Canad. mines..ton 15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant...lb. .06 - —

Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....tan.36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.56.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
Jet., bgs., c.l., Western shipping points..ton.$0.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06¼
Ill., Ind., refinery.....gal. .06¼- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.47.50 - —
l.c.l., works.....ton.52.50 - —
bbls., c.l., works.....ton.52.50 - —
l.c.l., works.....ton.57.50 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .25 - .30
Chloride, CP, cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .08½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis. ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York.....ton.31.50 - —
Southern off color, bulk mines, ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a...ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a...ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 10.00
Bay leaves (see Laurel leaves)
Bay rum, import., bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .70 - .75
Root, bls.....lb. .78 - .80
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .23 - .33
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —

Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.25 -17.50
Hydrochloride, cns.....lb. 17.25 -17.50
Sulphate, cns.....lb. 17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fig. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.95 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.28 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 3.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.02
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 2.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.02
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.96 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib dms.....lb. 1.48 - 1.51
Subsalicylate, 60-66%, bots..lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms...lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports, lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports, lb. .0380- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in August-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .20 - .30
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., l.c., works, frt. equald..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.50 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.75 - —
import, bgs., c.i.f. ports, ship..unit-ton. 2.60 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Ammonia Molyb.—Buchu

Blue, bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs..lb. 1.67 - 1.84
powd., cns., dms.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 100-lb. bgs., c.i.f. ports, ship..ton.32.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago—ton.28.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .35 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse...ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld., ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher,
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06½- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N. Y. or works..lb. .12¾- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
Kansas City.....lb. .05½- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65

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MEDICINAL CHEMICALS

EPHEDRINE
NATURAL AND SYNTHETIC

ALLANTOIN
AMINOPHYLLINE
BARBITAL
BENZOCAINE
NICOTINIC ACID
NICOTINIC ACID AMIDE
PENTOBARBITAL
Sodium, U. S. P.
PHENOBARBITAL
PHENOBARBITAL
Sodium, N. N. R.
PROCAINE
SULFANILAMIDE

ALKALOIDS

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BENZYL SALICYLATE
BENZYLIDENE ACETONE
BROMSTYROL
CINNAMIC ALCOHOL
CITRAL
CITRONELLA OIL SUBSTITUTE
CITRONELLOL
DIMETHYL ANTHRANILATE
ETHYL ANTHRANILATE
GERANIOL, for Soap
GERANIOL, Various Grades
GERANYL ACETATE
IONONE 100%
IONONE C. P., Waterwhite
MENTHOL SYNTHETIC 30°-32°
MENTHOL SYNTHETIC FUSED
MENTHONE
METHYL ANTHRANILATE
METHYL BENZOATE
METHYL CINNAMATE
METHYL NAPHTHYL KETONE
METHYL PHENYL ACETATE
METHYL PHENYL PROPIONATE
MUSK AMBRETTE
MUSK KETONE
MUSK XYLOL
PARA CRESOL METHYL ETHER
PHENYL ETHYL ACETATE
PHENYL ETHYL PROPIONATE

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MADE AT OUR WORKS AT NEWARK, N. J.

A. MASCHMEIJER, JR., INC.
45 WEST 16th STREET, NEW YORK, N. Y.

Buckthorn bark, true, bls.....lb. .45 - .50
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .28 - .30
Burdock root, bls.....lb. .19 - .24
Burgundy pitch, dom., dms...lb. .05½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagons, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms..lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.85
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100 lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms..lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100 lb. dms..lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .40 - .45
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —
Southern cotton states, dms., c.l..lb. .06 - —
l.c.l. .....lb. .06¼- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse..... 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4 19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.i.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20¼- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs. lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .60 - .72
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs..lb. .83 - .84
slabs, cs.....lb. .83 - .84
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works...lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0340- .0360
Morocco, bgs.....lb. .0370- .0390
Turkish, bgs.....lb. .0330-.0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway, Dutch.....lb. .26 - .26½
Russian .....lb. .25 - .25½
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .90 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .63½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .81 - .82
green, bgs.....lb. .61 - .62
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .14 - .16
Case - hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .11¼- .14
5 tons, works.....lb. .11¾- .14½
smaller lots, works.....lb. .12¼- .15
80-100 mesh, bgs., c.l.....lb. .11¾- .14½
5 tons, works.....lb. .12¼- .15½
smaller lots, works.....lb. .12¾- .16
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11¼- .12½
80-100 mesh, bgs., c.l., duty paid..lb. .12 - .13
French, 80 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .17¼- .17¾
No. 1, regular, bls.....lb. .16 - .16½
shortstick bls. .....lb. .13 - .13½
broken, bls.....lb. .12¼- .12¾
China, rolls, select, bls.....lb. .12 - .12½
broken, extra, bls.....lb. .11½- .12
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13¼- .13½
Cassia fistula, bskts.....lb. .16 - .18
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .83 - .86
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.48.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .37 - .39
Indian .....lb. .19 - .19½
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .80 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate-propionate, high 20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt.alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld., lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .85 - —
kgs., works.....lb. .87 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .80 - .85
Roman, bls.....lb. 1.40 - 1.45
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis., ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.66 - —
200 mesh, bgs., c.l., works, ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton. No prices
powd., cks., l.c.l., ex dock, ton. No prices
ex whse.....ton. No prices
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y...lb. .05½- —
l.c.l., dlvd., N. Y.....lb. .07¾- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .75 - .80
20 in., thick, cs.....lb. .75 - .80
20 in., medium, cs.....lb. .75 - .80
USP, broken quill, red, bgs., lb. .21 - .23
yellow, bgs.....lb. .21 - .23
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns.100 ozs..oz. .53 - —
Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns..100 ozs.oz. .66 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —
Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchophen, USP, 25-lb. fib. dms., lb. 3.40 - —
1 and 5-lb. bots.....lb. 3.50 - 3.55
100 lbs., dms.....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .16¾- .17¼
3 bls.....lb. .16 - .16½
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .24½- .25
Cloves, Madagascar.....lb. .16¼- .16¾
Zanzibar .....lb. .16¼- .16¾
Clover tops, red, bgs.....lb. .40 - .45
dom., bgs.....lb. .33 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.53 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 8%, dms....lb. .81 - —
solid, 8½%, bbls.....lb. .83 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, bbls.....lb. .13 - —
2 %, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .84 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .87 - .88
Teneriffe, silver, bgs.....lb. .88 - .89
Cocoa butter, bulk, c.l., bgs...lb. .1040- —
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .09
Colchicine, bots., cns.....oz.20.00 -35.00
Colchicum seed, bgs.....lb. 1.05 Nom.
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .25 - .27
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .33
Copaiba balsam, Para, cns....lb. .28 - .29
S.A., USP, cns.....lb. .30 - .31
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls....lb. .1610- —
Chloride, cryst., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .84 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .11¼- .11½
Nitrate, cryst., bbls.....lb. .16¼- —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l., 80-85%, kgs., f.o.b. N.Y..lb. .12½- —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23½- .24½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.60 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.75 - —
6-15 bbls., same basis, 100 lbs. 4.95 - —
1-5 bbls., same basis, 100 lbs. 5.20 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.10 - 9.35
l.c.l., dealers.....100 lbs.10.10 -10.35
Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0145 Nom.
Coriander, bags.....lb. .0450- .0480
bleached, bgs.....lb. .08 - .08½
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 3.44 - —
slabs, bbls., c.l.....100 lbs. 3.36 - —
solid, bbls, c.l.....100 lbs. 3.48 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.47 - —
43°, bbls., c.l.....100 lbs. 3.52 - —
Cornsilk, bls.....lb. .15 - .16
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
meal, 8%, Southeast, mills..ton.24.50 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .34¼- —
smaller lots, bbls.....lb. .34¾- —
kgs. .....lb. .35¼- —
Creosote, beechwood, bots.....lb. No prices
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.20
Oil, crude, tanks, works...gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .26
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb. less.
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .17 - .18
Cyprus, bgs.....lb. .16 - .16½
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N_2, pulv., bgs., dlvd., contracts, N_2..unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., dlvd. lb. .17 - —
Cyclohexanol, 98-100%, dms., dlvd..lb. .28 - —
Cyclohexanone, 98-100%, dms., dlvd..lb. .40 - —

D

Damiana leaves, bls.....lb. .17 - .24
Dandelion root, German, bls...lb. .60 - .65
Decanol, normal, tech., 360 lb. dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras common, dom., bbls...lb. .08 - .09½
neutral, dom., bbls.....lb. .13½- .16½

Derris Root—Gelsemium Root

Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
Derris root, powd., 2,000 lbs. to 10,000 lbs..lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.
Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.10 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.20 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
Potato, import, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .80 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½ - —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., l.c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -50.00
import, bgs., c.l., c.l.f.....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .56
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½ - —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½ - .25½
Sebacate, dms., works.....lb. .50 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½ - —
l.c.l., works.....lb. .24½ - —
tanks, works.....lb. .22½ - —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. refd., 99%, dms.....lb. .25 - —
Carbinol (see Carbinol). .35 - —
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld., lb. .19 - —
l.c.l. .....lb. .19½ - —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - —
Monobutylether, dms., works..lb. .22½ - .24½
Monoethylether, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - —
tanks, works.....lb. .13½ - —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .10½ - .11
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½ - —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½ - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 50° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½ - —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd...lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, N. F., bls.lb. .35 - .40
Dogwood bark, Jamaica, bls., lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods drugs and cosmetics:—
Blue, FD&C blue, No. 1 cns..lb.13.50 - —
FD&C blue, No. 2, cns.....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —

Dyes, coaltar (certified colors), for food, drugs and cosmetics:—
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 2.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4 cns....lb.15.35 - —
D&C orange, No. 10, cns..lb.15.85 - —
D&C orange, No. 11, cns...lb.17.95 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C, red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 3, cns...lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext.D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3.....lb.21.35 - —
Ext.D&C, red, No. 8.....lb. 7.35 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 13, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
49 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R. paste....lb. .85 - .90
189 Lake red R. powd...lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
232 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
328 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
402 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
405 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
503 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
805 Nigrosin derivatives...lb. .38 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
351 Bismarck brown.....lb. 1.50 - —
Green:—
687 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .85 - —
Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
281 Bismarck brown G...lb. .40 - .52
332 Bismarck Brown R...lb. .40 - .52
793 Phosphin .....lb. 4.25 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
787 Wool green S.....lb. .53 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
87 Amidonaphthol red 6B, lb. .63 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .58 - .60
imported .....lb. .50 - .55
Elder flowers, bright, bls.....lb. .50 - .55
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -28.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. .85 - —
tins, 100 ozs.....oz. .95 - —
Hydrochloride, tins, 1,000-oz lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Sulphate, cryst., tins, 1,000-oz lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.75 - 2.80
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works....lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07½ - —
tanks, frt. alld.....lb. .06 - —
95-98%, dms., c.l., frt. alld.lb. .07½ - —
l.c.l., frt. alld.....lb. .07¾ - —
tanks, frt. alld.....lb. .06¼ - —
N.F., 460-lb. dms.....lb. .09½ - —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½ - —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works..lb. .33½ - —
5-gal. dms., works.....lb. .37½ - .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
500 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½ - —
l.c.l. .....lb. .15½ - .18½
tanks .....lb. .13½ - —
Monobutylether, dms., c.l., works, lb. .16½ - —
l.c.l., works.....lb. .17½ - .20½
tanks, works.....lb. .15½ - —
Monoethylether, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - .18½
tanks, works.....lb. .13½ - —
Monoethylether, acetate, dms., c.l., works..lb. .11½ - —
l.c.l., dms.....lb. .12½ - .15½
tanks, works.....lb. .10½ - —
Monomethylether, dms., c.l., works..lb. .13½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .10 - .11

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13 - .13½
French, bgs.....lb. .35 Nom.
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .14 - .14½
Fenugreek seed, bgs.....lb. .04¼- .04½
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works....lb. .16 - —
Fir balsam, Canada, cns.....gal.15.50 -16.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.10 & .10
bgs., f.o.b. Balto....ton.50.00 - —
6-7% ammon., 3% phosphoric acid, bulk, So. Atlantic factories, contracts.....unit-ton.2.25 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Sept. shipt..ton.51.00 - —
spot..ton.51.00 - —
Flake white, dom., bbls.....lb. .08¾- —
kegs .....lb. .10¾- —
Fleaseed, French, black, bgs...lb. .32 - .35
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.60 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.18.50 -19.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.18.50 - 19.00
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton.15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½ - .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms. incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½ - .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .06 - .06½
plantation, cases.....lb. .09½ - .10
Cubes, Singapore, cases....lb. .08¼- .08¾
extract, bbls.....lb. .09½ - .12
Gasoline, at refinery:—
Bayonne, US motor, below 75 octane, tanks..gal. .06- .06½
65 octane and above, tanks, gal.. .06¾- .07¼
California, 54-58, tanks...gal. .05 - .06½
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
68-67, 375 e.p., bulk, export, gal. .05¼- —
70-72, 400 e.p., bulk, export, gal .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04¾
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04⅝
72-74 octane, tanks....gal. .04¾- .05
Oklahoma-Texas, Us motor, 62 octane and below, tanks..gal. .03½- .04
third grade, tanks.....gal. .03½- .04
63-66 octane, tanks....gal. .03¾- .04½
67-69 octane, tanks....gal. .03⅝- .04
70-72 octane, tanks....gal. .04¼- .04½
natural, 18-55, tanks.....gal. .01¾- .02¼
26-70, tanks.....gal. .01½- .01¾
Gelatine, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15

Gentian root, bls	lb.	.18 - .20
grd., bbls., bxs	lb.	.23 - .25
powd., bbls., bxs	lb.	.24 - .26
Geraniol, cns., dms	lb.	.60 - 2.00
Ginger, African, No. 1, bags	lb.	.05½- .06
Cochin, lemon, bgs	lb.	.10¾- .11
Jamaica, bold, bgs	lb.	.10 - .10¾
medium, bgs	lb.	.10½- .11
grinding, bright, bgs	lb.	.08¾- .09¼
Japanese, bgs	lb.	.08 - .08¼
Ginseng root, wild Southern, cs.,	lb.	12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).		
cryst., dom., bgs., bbls., c.l., works	100 lbs.	.95 - 1.15
5 tons or over, works	100 lbs.	1.05 - 1.25
less than 5 tons, works	100 lbs.	1.15 - 1.35
import, bgs	100 lbs.	No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd.	lb.	.13½- —
l.c.l., dlvd	lb.	.14 - —
36/58, bgs., c.l., dlvd	lb.	.13 - —
l.c.l., dlvd	lb.	.13¼- —
38/82, bgs., c.l., dlvd	lb.	.14½- —
l.c.l., dlvd	lb.	.15 - —
82/108, bgs., c.l., dlvd	lb.	.15 - —
l.c.l., dlvd	lb.	.15½- —
58 millipoise, 135 jellygrams, bgs., c.l., dlvd., East, Middlewest	lb.	.15 - —
l.c.l., same basis	lb.	.15½- —
60/164, bgs., c.l., same basis	lb.	.16½- —
l.c.l., same basis	lb.	.17 - —
l.c.l., same basis	lb.	.18 - —
hide, calcimine type, 75/222, bgs., c.l., same basis	lb.	.18½- —
l.c.l., same basis	lb.	.19½- —
88/251, bgs., c.l., same basis	lb.	.19½- —
l.c.l., same basis	lb.	.20½- —
92/253, bgs., c.l., same basis	lb.	.20½- —
l.c.l., same basis	lb.	.21½- —
102/315, bgs., c.l., same basis	lb.	.21 - —
l.c.l., same basis	lb.	.22 - —
118/347, bgs., c.l., same basis	lb.	.22 - —
125/379, bgs., c.l., same basis	lb.	.23 - —
l.c.l., same basis	lb.	.24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.		
Glycerin, CP, cns., l.c.l	lb.	.14¼- .15
dms., c.l., dlvd	lb.	.12½- —
l.c.l., dlvd	lb.	.13 - —
tanks, dlvd	lb.	.12¼- —
dynamite, dms	lb.	Nominal
high gravity, dms., c.l., dlvd.	lb.	.12 - —
l.c.l., dlvd	lb.	.12¼- —
tanks, dlvd	lb.	.11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.	lb.	.09½- —
l.c.l., same basis	lb.	.10½- —
tanks	lb.	.08½- —
for refiners, dms., returnable, tanks, dlvd.	lb.	.08⅛- .08¾
soapiye, basis 80%, dms., tanks, returnable, dlvd.	lb.	.07⅛- .07⅜
Glycine, medicinal, bbls., tins.	lb.	1.70 - 2.00
Glycol boriborate, dms	lb.	.22 - —
Phthalate, dms	lb.	.38 - —
Stearate, dms	lb.	.26 - —
Gold, U.S. purchase price	oz.	35.00 - —
Chloride, acid brown, bots	oz.	20.75 -21.00
yellow, bots	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.,	oz.	13.00 - —
USP IX, bots	oz.	14.50 -14.75
Gold of pleasure, seed, bgs	lb.	.15 - .15½
Goldenseal, root, bls	lb.	2.85 - 2.90
powd., bxs	lb.	3.10 - 3.15
Grains of paradise, bgs	lb.	.46 - .48
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works	lb.	.06 - —
bbls., c.l., works	lb.	.06¼- —
l.c.l., works	lb.	.06½- —
amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works	lb.	.02½- —
bbls., c.l., works	lb.	.02⅝- —
l.c.l., works	lb.	.03¼- —
80% graphitic, carbon, bgs., c.l., works	lb.	.03¼- —
bbls., c.l., works	lb.	.03⅜- —
l.c.l., works	lb.	.04¼- —
Grease, house, loose	lb.	.03⅜ Nom.
white	lb.	.03⅞ Nom.
yellow	lb.	.03⅜ Nom.
Wool (see Adeps lanae and Degras).		
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.21 - —
6-10%, bbls., same basis	lb.	.22 - —
11-15%, bbls., same basis	lb.	.23 - —
16-20%, bbls., same basis	lb.	.23½- —
21-25%, bbls., same basis	lb.	.24 - —
26-30%, bbls., same basis	lb.	.24½- —
31-35%, bbls., same basis	lb.	.25½- —
36-40%, bbls., same basis	lb.	.27 - —
41-45%, bbls., same basis	lb.	.28½- —
46-50%, bbls., same basis	lb.	.30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
reduced, CP, color content up to 5%, same basis	lb.	.06 - —
9-10%, bbls., same basis	lb.	.06¾- —
11-13%, bbls., same basis	lb.	.07¼- —
14-16%, bbls., same basis	lb.	.07½- —
17-19%, bbls., same basis	lb.	.07¾- —
20-21%, bbls., same basis	lb.	.08 - —
22-23%, bbls., same basis	lb.	.08¼- —
24-25%, bbls., same basis	lb.	.08½- —
26-27%, bbls., same basis	lb.	.08¾- —
28-29%, bbls., same basis	lb.	.09¼- —
30-31%, bbls., same basis	lb.	.10 - —
32-33%, bbls., same basis	lb.	.11¼- —
34-35%, bbls., same basis	lb.	.12¼- —
36-40%, bbls., same basis	lb.	.14¼- —
41-45%, bbls., same basis	lb.	.16¼- —
Green, chrome, reduced, color content, 46-50%, bbls., same basis	lb.	.18¾- —
51-55%, bbls., same basis	lb.	.17¼- —
56-60%, bbls., same basis	lb.	.17¾- —
61-65%, bbls., same basis	lb.	.18¼- —
66-70%, bbls., same basis	lb.	.19¼- —
71-75%, bbls., same basis	lb.	.20¼- —
Oxide, dom, pure, bbls	lb.	.25 - —
ceramic, light shades, bbls., c.l., works	lb.	.25 - —
l.c.l., works	lb.	.30 - —
standard grade, bbls., works	lb.	.21 - .22
Tetrahydroxide, bbls	lb.	.88 - —
Paris (see P).		
Tungstated, brilliant, kgs	lb.	3.50 - —
emerald, kgs	lb.	2.35 - —
Verdigris (see V).		
Green dyes are listed under Dyes.		
Grindelia robusta, bls	lb.	.09 - .10
Guaiac resin, cs	lb.	.30 - .35
strained, cs	lb.	.80 - .85
Wood, bls	lb.	.04 - .05
Guaiacol, liq., dms	lb.	1.65 - 1.67
Carbonate, tb. dms., 25 lbs	lb.	2.40 - 2.74
Guarana powd., cs	lb.	1.20 - 1.25
Gum, aloe (see A).		
Ammoniac, tears, cs	lb.	.85 - .90
Arabic, amber, sorts, cleaned, bgs	lb.	.14 - .15
white, sorts, 1, bgs	lb.	.35 - .36
powd., bbls	lb.	.18 - .20
Asafetida (see A).		
Asphaltum (see A).		
Gum, benzoin, Siam, cs	lb.	1.40 - 1.60
Sumatra, cs	lb.	.18 - .20
Camphor (see C).		
Chicle, prime, 35% moisture, bgs., ton lots	lb.	No prices
Copal, Congo, 1, water white, transparent, bgs, c.l., ex dock or ex whse., N. Y. or San Fran	lb.	.49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and pacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.		
Copal, Congo, 2, water white, bgs., c.l., same basis	lb.	.29½- —
3, selected pale straw bold, bgs., c.l., same basis	lb.	.24½- —
4, pale bold straw, bgs., c.l., same basis	lb.	.24 - —
5, pale straw bold, bgs., c.l., same basis	lb.	.23½- —
6, pale amber bold, bgs., c.l., same basis	lb.	.21½- —
7, pale straw bold, bgs., c.l., same basis	lb.	.17 - —
8, light amber bold, bgs., c.l., same basis	lb.	.17 - —
9, medium light amber bold, bgs., c.l., same basis	lb.	.13½- —
10, rescraped hard amber, bold, bgs., c.l., same basis	lb.	.13½- —
11, hard dark amber bold, bgs., c.l., same basis	lb.	.12½- —
12, selected bold sorts, bgs., c.l., same basis	lb.	.11½- —
13, dark sorts bold, bgs., c.l., same basis	lb.	.09¼-

Gentian Root—Gum, Copal

Gum, copal, Congo, 14, selected, fully scraped, ivory, bgs., c.l., same basis	lb.	.23½- —
15, ordinary ivory sorts, bgs., c.l., same basis	lb.	.10½- —
16, inferior ivory sorts, bgs., c.l., same basis	lb.	.09¼- —
17, pale, fingers, bgs., c.l., same basis	lb.	.13½- —
18, pale straw nubs, bgs., c.l., same basis	lb.	.12½- —
19, pale straw nubs, bgs., c.l., same basis	lb.	.12½- —
20, hard dark amber nubs, bgs., c.l., same basis	lb.	.12½- —
21, ordinary selected nubs, c.l., same basis	lb.	.12¾- —
22, small mixed nubs, bgs., c.l., same basis	lb.	.10¾- —
23, dark mixed nubs, bgs., c.l., same basis	lb.	.11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis	lb.	.17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis	lb.	.09½- —
26, pale small nubs, c.l., same basis	lb.	.10¾- —
27, pale small nubs, bgs., c.l., same basis	lb.	.10¼- —
28, pale dust, bgs., c.l., same basis	lb.	.06¾- —
Batu, bold, scraped, bgs., c.l., same basis	lb.	.06½- —
unscraped, bgs., c.l., same basis	lb.	.06 - —
chips, bgs., c.l., same basis	lb.	.05¼- —

No. 4035 C. P. JET-GREEN BLUE
(CHINESE)

No. 4035 is an iron blue of jet, non-bronzing masstone and clean, strong tint.

In enamels where either depth of shade or cleanness of tint is desired, formulators are showing a marked preference for No. 4035. It is a low oil absorption blue, non-reactive in combination with alkyd resins, a strong tinter and easy to grind.

Whatever your requirements, it will pay you to investigate Reichhold's complete line of chemical pigment colors. Inquiries concerning No. 4035 or any other RCI product are welcomed.

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Chemical Color Division
General Offices: DETROIT, MICH.
Factory: BROOKLYN, N. Y.

It's an R-C-I *Color*

REICHHOLD *Chemical Colors*

Gum, Copal—Hypernic

Gum, copal, Batu, dust, bgs., c.l., same basis..lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis. lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .13 - —
B, bskts., c.l., same basis. lb. .12½- —
C, bskts., c.l., same basis, lb. .12 - —
Gum, copal, Manila, Loba, CNE, bskts., c.l., same basis, lb. .08½- —
D, bskts., c.l., same basis. lb. .12¾- —
DK, bskts., c.l., same basis. lb. .08 - —
dust, bskts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bskts., c.l., same basis, lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
spirit-soluble, CBB, bskts., basis..lb. .10¾- —
DBB, bskts., c.l., same basis. lb. .10 - —
MA, bskts., c.l., same basis. lb. .07¾- —
MB, bskts., c.l., same basis. lb. .07¼- —
WS, bskts., c.l., same basis..lb. .10 - —
A/D, cs., c.l., same basis.lb. .13⅞- —
Philippine, Manila, amber sorts, bskts, c.l., same basis, lb. .08 - —
chips pale, bskts., c.l., same basis..lb. .11¾- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale sorts, bskts., c.l., same basis..lb. .10½- —
nubs, bskts., c.l., same basis..lb. .13½- —
pale, scraped, bskts., c.l., same basis..lb. .14¾- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Gum, copal, Pontianak, bold, genuine, bgs., same basis, lb. .15⅜- —
mixed, bgs., c.l., same basis. lb. .14⅜- —
split, bgs., c.l., same basis. lb. .13¾- —
chips, bgs., c.l., same basis.lb. .10 - —
nubs, bgs., c.l., same basis. lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅝- —
A/C, cs., c.l., same basis.lb. .15¼- —
A/E, cs., c.l., same basis.lb. .12⅞- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14⅝- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis.lb. .07⅝- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16⅝- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis.....lb. .07⅛- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07⅛- —
seeds, cs., c.l., same basis.lb. .09⅞- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., dlvd., New England N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contra. or single shipt., 10,000 lbs.....lb. .06¼- .06⅝
less than 10,000 lbs., same basis..lb. .06¾- .07
dlvd., Western N.Y. and Pa., Ohio, Mich., In.,., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N.C., 75,000 lbs., contra. or straight c.l. lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contra. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .22
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .26 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, c.s., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. 1.20 - 1.25
Myrrh, USP, cs.....lb. .55 - .60
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .25
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .40 - .45
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 3.50 - 3.75
2 cs.....lb. 3.35 - 3.60
3 cs.....lb. 2.90 - 3.10
Yacca, bgs.....lb. .08½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
bgs., c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
plaster of Paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags, c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.60 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla.; frt. equald .....ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .26 - .28
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks, works.....lb. .02⅝- —
Hempseed, Manchur, bgs.....lb. .06½- .07¼
Henbane leaves, bls.....lb. .82 - .85
Henna leaves, bls.....lb. .14 - .15
powd., bbls., bxs.....lb. .20 - .21
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Groups 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Hematropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.25 - 2.40
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River..lb. .20 - —
Hydroquinone, dealers, bbls., dms., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.50.00 -60.00
Hydrochloride, bots.....oz.50.00 -60.00
Hyoscyamine, ½ gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 50°, bbls., lb. .14 - —

HYDROXYLAMINE

(NH_2OH)

IT HAS long been recognized that hydroxylamine is a very useful, reactive compound, and numerous processes and reactions involving its use have been investigated and described. However, the applications for hydroxylamine have heretofore been greatly limited by its high price.

The commercial production of hydroxylamine by an entirely new process now makes it possible to offer this compound in the form of hydroxylammonium sulfate and acid sulfate at prices which will stimulate interest in new applications for this chemical as well as the reinvestigation of its many old uses.

Among the numerous suggestions in the technical and patent literature for utilizing hydroxylamine are: as a raw material in synthesizing dyestuffs, pharmaceuticals and other organic chemicals; for purifying aldehydes and ketones; as a photographic developer; and as a dehairing agent. Hydroxylamine is also reported to be a powerful antiseptic.

Call or write for samples and technical information!

COMMERCIAL SOLVENTS CORPORATION U.S.A.

COMMERCIAL SOLVENTS
Corporation
17 EAST 42nd STREET, NEW YORK, N. Y.

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, pots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 32.00 - 34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.25 - —
jars, 50 lbs.....lb. 2.15 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordnary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .30 - .32
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .54 - .57
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs...lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
propionate, dms., works.....lb. .09 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld..gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .30 - .35
powd., bbls., bxs.....lb. .32 - .37
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, ordinary, bgs., lb. .26 - .28
hand picked, bgs.....lb. .32 - .34

K

Kamala, tins.....lb. .33 - .35
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0490- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03¾- .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .03⅞
42-44 w.w., tanks.....gal. .03⅞- .04¼
Pennsylvania, 45 w.w., tanks, gal. .04¾- .04⅞
46 w.w., tanks.....gal. .04⅞- .05
47 w.w., tanks.....gal. .05 - .05⅛
Kerosene distillate (see Oil, furnace).
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices.
Kola nuts, bgs.....lb. .12 - .18

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.25 - 6.35
Middlewestern, trcs.....100 lbs. 5.70 - 5.80
Neutral, trcs.....100 lbs. 6.75 - 7.00
Western, choice, trcs..100 lbs. 5.80 - 5.90
Compound, trcs.....100 lbs. 8.50 - 8.75
Larkspur seed, bgs.....lb. 1.80 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .09 Nom.
Turkish, bls.....lb. .08¾- .09¼
Lavender flowers, ordinary, bls.lb. .45 - .50
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09 - —
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E...lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0765- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¾- —
other points.....lb. .07¾- —
Lead, red, dry, 95% or less, Pb_3O_4, bbls., l.c.l., smaller lots, Ala., etc.....lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0790- —
other points.....lb. .0765- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
99%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0815- —
other points.....lb. .0790- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. alld., lb. .10¼- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., dlvd. Ariz., etc...lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers.....lb. .10¾- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis.....lb. .47½- .60
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70

Lecithin

(Vegetable)

Now available in either Soya Bean Oil or Cocoa Butter carrier for prompt delivery direct from factory.

For Export, packed in 100-lb. crated steel-strapped cans or 450-lb. open-head drums.

Our Lecithin is manufactured exclusively from American raw materials by an American process in an American plant.

Inquiries for these and other chemicals are invited.

TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACID ANHYDRIDE
ETHYLENE DIAMINE • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Lecithin—Mandrake Root

Lecithin, purified, cs., dms., c.l., same basis	lb.	.65 -	—
l.c.l., same basis	lb.	.67½-	.68
tech., grade 1, dms., c.l., same basis	lb.	.35 -	—
l.c.l., same basis	lb.	.37½-	.55
grade 2 or 3, dms., c.l., same basis	lb.	.37½-	—
l.c.l., same basis	lb.	.40 -	.57½
grade 4, dms., c.l., same basis	lb.	.40 -	—

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.	lb.	.13 -	.15
Licorice extract, mass, cs.	lb.	No prices	
powd., bbls.	lb.	No prices	
root, cuttings, bls.	lb.	.10 -	.11
powd., bbls., bxs.	lb.	.12 -	.13
select, bdls., cs.	lb.	.38 -	.43
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.	ton.	7.00 -	—
Berkley, W. Va.	ton.	7.00 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hollow, Pa.	ton.	8.50 -	—
Crab Orchard, Tenn.	ton.	6.25 -	—
Eagle Mountain, Va.	ton.	7.00 -	—
Farnams, Mass.	ton.	8.00 -	—
Gibsonburg, Ohio	ton.	7.00 -	—
Hannibal, Mo.	ton.	6.50 -	—
Keystone, Ala.	ton.	7.00 -	—
Knoxville, Tenn.	ton.	6.25 -	—
Limedale, Ark.	ton.	7.00 -	—
Longview, Ala.	ton.	6.25 -	—
Manistique, Mich.	ton.	8.00 -	—
Martinsburg, W. Va.	ton.	7.00 -	—
Menominee, Mich.	ton.	8.00 -	—
Mitchell, In.	ton.	8.50 -	—
Newala, Ala.	ton.	6.25 -	—
Rincon, Cal.	ton.	13.00 -	—
Rippiemead, Va.	ton.	7.00 -	—
Riverton, Va.	ton.	7.00 -	—
San Francisco, Cal.	ton.	13.00 -	—
Scioto, Ohio	ton.	6.50 -	—
Springfield, Mo.	ton.	7.00 -	—
Woodville, Ohio	ton.	7.00 -	—
York, Pa.	ton.	7.00 -	—
hydrated, paper bags, f.o.b. Bellefonte, Pa.	ton.	8.50 -	—
Berkley, W. Va.	ton.	8.50 -	—
Buffalo, N. Y.	ton.	10.00 -	—
Carey, Ohio	ton.	8.50 -	—
Cedar Hollow, Pa.	ton.	8.00 -	—
Crab Orchard, Tenn.	ton.	9.00 -	—
Eagle Mountain, Va.	ton.	9.00 -	—
Farnams, Mass.	ton.	8.50 -	—
Gibsonburg, Ohio	ton.	8.50 -	—
Hannibal, Mo.	ton.	8.50 -	—
Keystone, Ala.	ton.	9.00 -	—
Knoxville, Tenn.	ton.	9.00 -	—
Le Roy, Minn.	ton.	10.00 -	—
Lime Crest, N. J.	ton.	8.50 -	—
Limedale, Ark.	ton.	9.00 -	—
Longview, Ala.	ton.	9.00 -	—
Louisville, Ky.	ton.	14.50 -	—
Manistique, Mich.	ton.	9.00 -	—
Marblehead, Ohio	ton.	9.50 -	—
Martinsburg, W. Va.	ton.	8.50 -	—
Mitchell, Ind.	ton.	9.00 -	—
Newala, Ala.	ton.	9.00 -	—
Potoskey, Mich.	ton.	9.00 -	—
Port Island, Mich.	ton.	9.00 -	—
Rapid City, S. D.	ton.	12.00 -	—
Rippiemead, Va.	ton.	9.00 -	—
San Francisco, Cal.	ton.	16.00 -	—
Springfield, Mo.	ton.	9.00 -	—
Woodville, Ohio	ton.	8.50 -	—
York, Pa.	ton.	8.50 -	—
spray, paper bags, f.o.b. Bellefonte, Pa.	ton.	9.00 -	—
Carey, Ohio	ton.	11.00 -	—
Farnams, Mass.	ton.	9.50 -	—
Gibsonburg, Ohio	ton.	11.00 -	—
Lime Crest, N. J.	ton.	8.50 -	—
Marblehead, Ohio	ton.	11.00 -	—
Scioto, Ohio	ton.	10.00 -	—
Woodville, Ohio	ton.	11.00 -	—
York, Pa.	ton.	9.00 -	—
Lime salts (see Calcium).			
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex.	lb.	.07½-	.08½
dms., same basis	lb.	.10½-	—
400 lbs., or more, bgs., same basis	lb.	.07¾-	.08¾
dms., same basis	lb.	.11 -	—
less than 400 lbs., same basis, lb.		.08½-	.09½
dms., same basis	lb.	.12 -	—
Solution, Zone 1, dms., consumers	gal.	.16 -	—
Zone 2, tanks, dealers, wks. gal.		.08½-	—
30-50 dms.	gal.	.11 -	.16
Zone 3, tanks, dealers, dlvd. gal.		.07½-	—
30-50 dms.	gal.	.10½-	.14½
Zone 4, tanks, dealers, wks., gal.		.08 -	—
dms., wks., except Cal.	gal.	.12 -	—
Zone 5, tanks, dealers, dlvd. gal.		.10½-	—
dms.	gal.	.12 -	—
Zone 6, tanks, dealers	gal.	.07½-	—
30-50 dms.	gal.	.10 -	.14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.	lb.	2.10 -	3.30
Linalyl acetate, cns.	lb.	1.75 -	3.00
Linden flowers, with leaves, bls.	lb.	.42 -	.45
without leaves, bls.	lb.	.40 -	.48
Linseed cake, bgs., export	ton.	21.00 -	22.00
meal, bgs.	ton.	23.50 -	—
Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.0665-	—
Other points	lb.	.0640-	—
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.07 -	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., and Wash.	lb.	.07½-	—
Colo., Mont., N. Mex., Wyo.	lb.	.07¾-	—
Other points	lb.	.06¾-	—
Litharge, com'l, powd., smaller lots, dlvd., Ala.		.07½-	—
Ariz., etc.	lb.	.08 -	—
Colo. etc.	lb.	.07½-	—
Other points	lb.	.07½-	—
Lithium bromide, bbls., 100 lbs., works, frt. equal'd	lb.	1.90 -	—
50 lbs., works	lb.	1.93 -	—
25 lbs., works	lb.	1.95 -	—
Carbonate, 250-lb. bbls.	lb.	1.25 -	—
100-lb. kgs.	lb.	1.30 -	—
Chloride, 25-lb. jars	lb.	1.68 -	1.70
Citrate, 250-lb. bbls.	lb.	1.40 -	—
25-lb. dms.	lb.	1.45 -	—
100-lb. kgs.	lb.	1.40 -	—
Fluoride, bbls.	lb.	2.10 -	2.35
Iodide, 5-lb. bots.	lb.	4.95 -	—
25-lb. jars	lb.	4.70 -	—
Lithopone, titanated (high-strength), bgs., c.l., (20 tons)	lb.	.05 -	—
smaller lots	lb.	.05¼-	—
bbls., c.l. (20 tons)	lb.	.05¼-	—
smaller lots	lb.	.05½-	—
ordinary, bgs., c.l. (20 tons)	lb.	.0360-	—
smaller lots	lb.	.0385-	—
bbls., c.l. (20 tons)	lb.	.0385-	—
smaller lots	lb.	.04¼-	—

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

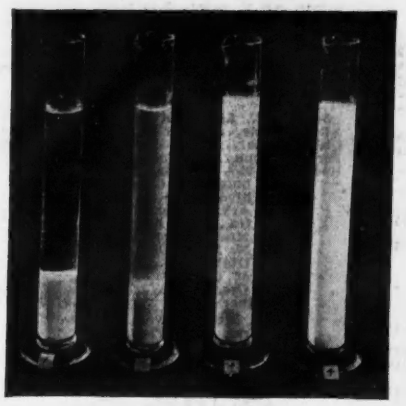
Liverwort leaves, bls.	lb.	.23 -	.26
Lobelia, herb, bls.	lb.	.12 -	.13
Seed, bgs.	lb.	.35 -	.36
Logwood extract, cryst., bbls.	lb.	.20 -	.24
liquid, 51°, bbls.	lb.	.10¼-	.12½
solid, bxs.	lb.	.16½-	.20½
Lovage root, dms., bls.	lb.	.45 -	.50
imported, bls.	lb.	.45	Nom.
Lupulin, N. F., tins	lb.	1.65 -	1.70
Lycopodium, cs.	lb.	4.75 -	5.00

M

Mace, Banda, cs.	lb.	.55½-	.56
Batavia, cs.	lb.	.29 -	.30
Siauw, cs.	lb.	.33 -	.34
West Indian, cs.	lb.	.34 -	.41
Madder, Dutch, bbls.	lb.	.22 -	.25
Magnesia, arsenate, dms.	lb.	.18 -	.20
Calcined, tech., U.S.P., bbls., wks.	lb.	.26 -	—
Carbonate, tech., Zone 1, c.l., bgs.	lb.	.06¼-	—
bbls.	lb.	.07½-	—
kgs.	lb.	.08¾-	—
l.c.l., bgs.	lb.	.07½-	—
bbls.	lb.	.08½-	—
kgs.	lb.	.09¾-	—
Zone 2, c.l., bgs.	lb.	.06¾-	—
bbls.	lb.	.07½-	—
kgs.	lb.	.08¾-	—
l.c.l., bgs.	lb.	.07 -	—
bbls.	lb.	.08¼-	—
kgs.	lb.	.09½-	—
U.S.P., Zone 1, c.l., bgs.	lb.	.06 -	—
bbls.	lb.	.08½-	—
kgs.	lb.	.09¾-	—
l.c.l., bgs.	lb.	.09 -	—
bbls.	lb.	.09½-	—
kgs.	lb.	.10¾-	—
Zone 2, c.l., bgs.	lb.	.06 -	—
bbls.	lb.	.08½-	—
kgs.	lb.	.09¾-	—
l.c.l., bgs.	lb.	.09¼-	—
bbls.	lb.	.09½-	—
kgs.	lb.	.10½-	—

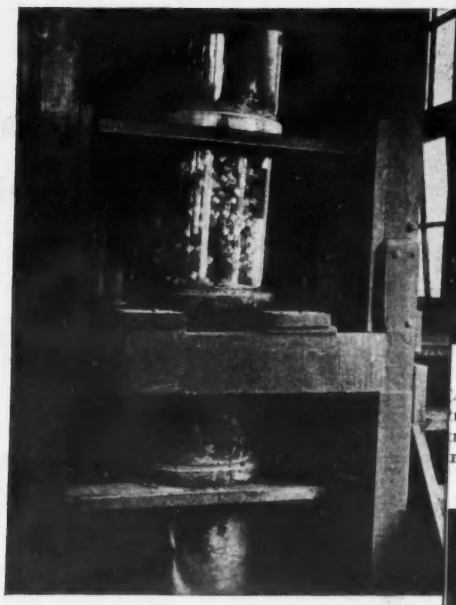
Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., D. of C., Del. and Md., c.l. shipments, full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. Or l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting Ambler, Phillipsburg, Valley Forge, and New York.

Magnesia, chloride, anhyd., dom., bbls., dlvd.	lb.	.13 -	—
flake, dom., bbls., wks., c.l.,	ton.	32.00 -	—
l.c.l., bbls., wks.	ton.	39.00 -	42.00
Hypophosphite, cns., 100 lbs.	lb.	1.45 -	—
25 lbs.	lb.	1.50 -	—
Oxide (see Calcined).			
Palmitate, bbls.	lb.	.33	Nom.
Peroxide, 15%, dms., works	lb.	1.00 -	1.35
Silicate (see Talc).			
Silicofluoride, bbls.	lb.	.11 -	.11¼
Stearate, bbls., ctns., c.l.	lb.	.23 -	—
1 ton	lb.	.24 -	—
1,000-2,000 lbs.	lb.	.25 -	—
smaller lots	lb.	.26 -	—
Sulphate (see Epsom salt).			
Trisilicate, 1,000-lb. contracts, dms.	lb.	.50 -	—
smaller lots, dms.	lb.	.55 -	—
Magnesite, cal., dom., bgs.	ton.	60.00	65.00
Imports, bgs., duty paid	ton.	70.00	Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash.	ton.	25.00 -	—
Magnesium hydroxide, medicinal, bbls., 200 lbs.	lb.	.25 -	—
dms., 25 lb.	lb.	.30 -	—
kgs., 100 lbs.	lb.	.26 -	—
Trisilicate, cs., 500-lb. lots	lb.	.52 -	—
100-lb. lots	lb.	.55 -	—
5-lb. cns.	lb.	.75 -	—
Malva flowers, black, bls.	lb.	.70 -	.95
blue, bls.	lb.	.70 -	.95
Leaves, bls.	lb.	.27 -	.40
Manaca root, bls.	lb.	.23 -	.24
Mandrake root, bls.	lb.	.12 -	.18



(*Above*) **SUSPENSION TESTS** show dispersing power of AERO* Brand Tetra Sodium Pyrophosphate. Graduate No. 1 contains only China clay and water. 500 ppm of soda ash were added to No. 2; 500 ppm of Tri Sodium Phosphate to No. 3; and the same amount of AERO Brand T. S. P. P. to No. 4.

life
ON THE
CHEMICAL NEWSFRONT



(*Above*) **CHEMISTRY'S DEFENSE ROLE**—with emph on rubber, petroleum, food industries—is the them the American Chemical Society's 100th national m ing, taking place this month in Detroit, shown h

(*Above*) **PYREX GLASS** proves its value in chemical p essing as well as in the kitchen. Typical applicatio Pyrex is the 18-inch diameter tower illustrated. U for handling hot corrosives, they retain their orig transparency after years of service.

(*Left*) **GYPSUM "SNOW"** is a novel Hollywood use one of the oldest building materials. Cyanam Structural Gypsum Division produces a synth gypsum widely used in industrial construction fo fire safety and insulation value. Popular forn GYPSTEEL PLANK**, a prefabricated unit for safe floor and roof-decks. New Bulletin describ GYPSTEEL PLANK in detail is available on requ

Manganese acetate, dms.	lb.	.26½	- —
Arsenate, bgs.	lb.	.12	- .12½
Borate, tech., bbls.	lb.	.15	- .16
Carbonate, bbls.	lb.	.19	- —
Chloride, bbls.	lb.	.14	Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works	ton	69.00	- —
5-15 tons, works	ton	72.00	- —
½ 4 tons, works	ton	77.00	- —
Caucasian, 85-90%, bbls., c.l., works	ton	66.50	- —
l.c.l., 5 tons, works	ton	69.50	- —
smaller lots, works	ton	74.50	- —
burlap bgs. c.l., works	ton	64.25	- —
l.c.l., 5 tons, works	ton	67.25	- —
smaller lots, works	ton	72.25	- —
paper bgs., c.l., works	ton	62.50	- —
l.c.l., 5 tons, works	ton	65.50	- —
Glycerophosphate, bbls., kgs., 1,000-lb. lots	lb.	2.80	- —
smaller lots	lb.	3.00	- —
cns., 25 lbs.	lb.	3.12	- —
Hydrate, bbls., dlvd.	lb.	.82	- —
Iodide, bots., 5 lbs.	lb.	5.55	- —
jars, 25 lbs.	lb.	5.70	- —
Linoleate, liquid, 4%, dms.	lb.	.18	- .19¼
solid, precip., 8.2%, bbls.	lb.	.19	- —
Ore, Cuban, 51-52%, basis Atl. ports, duty paid	unit-ton	.71	- .73
Resinate, fused, 3½%, bbls.	lb.	.08¼	- .08¼
precip., dms.	lb.	.12	- —
Sulphate, anhyd.	ton lots, works		
	lb.	.09½	- .09¾
single bbls., works	lb.	.09¾	- .10¼
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd., South	ton	57.00	- —
l.c.l., bgs.	ton	65.00	-75.00
Mangrove bark, bgs., shipt	ton	36.50	-37.50
Manna flake, large, cs.	lb.	1.50	- 1.60
small, cs.	lb.	1.25	- 1.35
Mannitol, com'l grade, bbls., ton lots, works	lb.	.33	- —
smaller lots, works	lb.	.45	- —
reagent grade, 50 lb. cs., or multiples, works	lb.	.90	- —
Marble flour, bgs.	ton	12.00	-14.00
Marjoram, French, No. 1	lb.	.40	- .41
Tunisan, bls.	lb.	No stocks	
Chilean	lb.	.17½	- .18
Matico leaves, bls.	lb.	.22	- .25
Menthol, USP, natural, cs.	lb	3.40	- 3.50
synthetic, tech., cs.	lb	nom	
USP, cs.	lb.	3.25	-
liquid, dms. 50 lbs.	lb.	1.50	-
Menthyl salicylate, tins, 100-lb. lots	lb.	3.00	- —
25-lb. lots	lb.	3.10	- —
Mercurial ointment, 30%, pails, 50 lbs.	lb.	1.44	- —
25 lbs.	lb.	1.46	- —
50%, pails, 50 lbs.	lb.	2.09	- —
25 lbs.	lb.	2.11	- —
Mercury (see Quicksilver).			
Ammoniated (see White precipitate).			
Bichloride (see Corrosive sublimate).			
Bisulphate, 5-lb. bots.	lb.	3.02	- —
100-lb. fib. dms.	lb.	2.89	- —
25-lb. jars	lb.	2.91	- —
Chloride (see Calomel).			
Cyanide, cryst.	lb.	4.00	- 4.05
powd.	lb.	4.05	- 4.10
Iodide, red, NF, 5-lb. bots.	lb.	4.71	- —
100-lb. fib. dms.	lb.	4.60	- —
yellow, 5-lb. bots.	lb.	4.81	- —
fib. dms., 100 lbs.	lb.	4.70	- 4.75
Nitrate ointment (see Citrine ointment).			
Oxide, red, NF (see Red precipitate).			
tech. (see Red, mercury oxide).			
yellow, dom., tech., bbls.	lb.	2.96	- —
USP, fib. dms., 50 lbs. or more	lb.	3.18	- —
Mercury and chalk, 5-lb. ctns.	lb.	1.93	- —
25-lb. fib. dms.	lb.	1.86	- 1.88
Mesityl oxide, cns., works	lb.	.20½	- —
dms., c.l., dlvd.	lb.	.16	- —
l.c.l., dlvd.	lb.	.16½	- —
tanks, dlvd.	lb.	.15	- —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in.	pkg.	1.50	- 1.75
composition, 5½x5½ in.	pkg.	1.70	- 1.80
gold, XX deep, 23K, 3¼x3¼ in.,	pkg.	15.25	-15.75
3¼x3¼ in.	pkg.	16.15	-17.50
4¼4 in.	pkg.	19.50	-20.00
3¼x5½ in.	pkg.	22.50	-23.00
3¼x5½ in.	pkg.	24.50	-25.00
silver, 3¼x3¼ in.	pkg.	2.75	- 2.85
Metanitroparatoluidin, bbls.	lb.	1.05	- 1.10
Metaphenylenediamine, kgs.	lb.	.65	- —
Metatoluylenediamine, kgs.	lb.	.65	- —
Methanol, natural, producer group A, denat., grade, tanks.	gal.	.40	- —
97%, tanks.	gal.	.30	- —
56%, tanks.	gal.	.29	- —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

natural, producer group B, pure, tanks, frt. alld. Zone 1.	gal.	.30	- —
Zone 2.	gal.	.32	- —
Zone 3.	gal.	.34	- —
Zone 4.	gal.	.34½	- —
dms., c.l., Zone 1	gal.	.35½	- —
Zone 2.	gal.	.37½	- —
Zone 3.	gal.	.39½	- —
Zone 4.	gal.	.41½	- —

Manganese Acet.—M.H. Ketone

Methanol, producer group B, pure, dms., l.c.l., Zone 1	gal.	.33	- —
Zone 2	gal.	.45½	- —
Zone 3	gal.	.42	- —
Zone 4	gal.	.53½	- —

95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld.	gal.	.33½	- —
2, frt. alld.	gal.	.37½	- —
3, frt. alld.	gal.	.39½	- —
4, frt. alld.	gal.	.41½	- —
l.c.l., Zone 1, frt. alld. or dlvd.	gal.	.38	- —
2, frt. alld. or dlvd.	gal.	.45½	- —
3, dlvd., S. F. and L. A.,	gal.	.42	- —
4, frt. alld. or dlvd.	gal.	.53½	- —
tanks, Zone 1, frt. alld.	gal.	.30	- —
2, frt. alld.	gal.	.32	- —
3, frt. alld.	gal.	.34	- —
4, frt. alld.	gal.	.34½	- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah., Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R.	lb.	.10½	- —
W. of Miss. R.	lb.	.11½	- —
l.c.l., dms., dlvd. E. of Miss. R.	lb.	.11	- —
W. of Miss. R.	lb.	.12	- —
tanks, dlvd., E. of Miss. R.,	lb.	.09½	- —
W. of Miss. R.	lb.	.10½	- —
tech., dms., c.l., dlvd., E. of Miss. R.	lb.	.07	- —
W. of Miss. R.	lb.	.08	- —
l.c.l., dlvd., E. of Miss. R.	lb.	.07½	- —
W. of Miss. R.	lb.	.08½	- —
tanks, dlvd., E. of Miss. R.,	lb.	.06	- —
W. of Miss. R.	lb.	.07	- —
Acetoacetate, dms., c.l., works, frt. alld.	lb.	.29½	- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks.	gal.	.32	- —
dms., c.l., same basis,	gal.	.37½	- —
l.c.l., same basis	gal.	.40	- —

Methyl acetone prices on Pacific Coast are 5c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Acetone, natural, group B producers, tanks, Zone 1.	gal.	.32	- —
Zone 2.	gal.	.34	- —
Zone 3.	gal.	.36	- —
Zone 4.	gal.	.36½	- —
dms., c.l., Zone 1.	gal.	.37½	- —
Zone 2.	gal.	.39½	- —
Zone 3.	gal.	.41½	- —
Zone 4.	gal.	.43½	- —
l.c.l., Zone 1.	gal.	.40	- —
Zone 2.	gal.	.47½	- —
Zone 3.	gal.	.44	- —
Zone 4.	gal.	.53½	- —

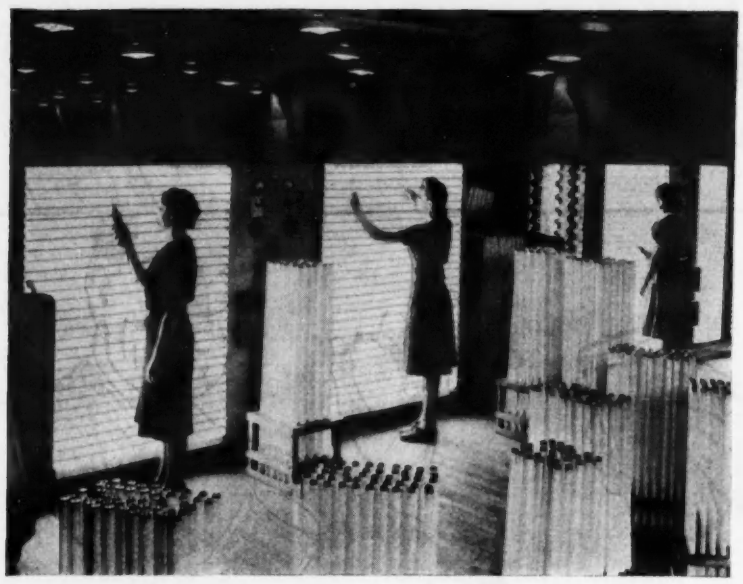
Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Synthetic, tanks, zone 1.	gal.	.34	- —
Zone 2.	gal.	.42	- —
Zone 3.	gal.	.45½	- —
dms., c.l., zone 1.	gal.	.36	- —
Zone 2.	gal.	.44	- —
Zone 3.	gal.	.48	- —
l.c.l., zone 1.	gal.	.37	- —
Zone 2	gal.	.45½	- —
Zone 3.	gal.	.48½	- —
Alcohol (see Methanol).			
Anthranilate, bots.	lb.	2.10	- 2.25
Benzoate, cns., 25 lbs.	lb.	.70	- 1.00
Bromide, cyl.	lb.	.65	- .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders.	lb.	.32	- —
service men and consumers, cyl.	lb.	.36	- —
60 to 499 lbs., cyl., mach. mfrs. and jobbers.	lb.	.36	- —
service men and consumers, cyl.	lb.	.40	- —
tanks, multi-unit, mach. mfrs. and jobbers.	lb.	.31	- —
service men and consumers,	lb.	.35	- —

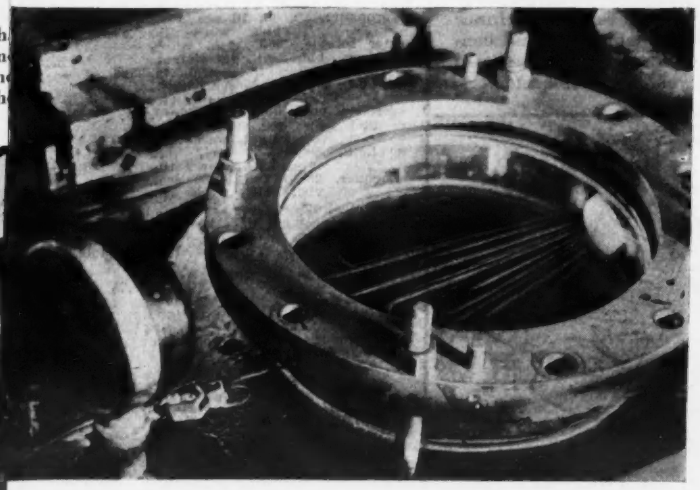
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.	lb.	4.25	- 5.00
Formate, dms.	lb.	.89	- —
Lactate, dms., l.c.l., dlvd.	lb.	.80	- —
Iodide, bots.	lb.	3.68	- 3.82
Salicylate, dms.	lb.	.35	- .37
cns.	lb.	.37	- .40
Violet toner, bbls.	lb.	.88	- —
permanent, bbls.	lb.	.80	- —
Methylamyl ketone, dms., works, l.c.l.	lb.	.25	- —
smaller containers, same basis,	lb.	.28	- —
Methylcellulose, dms., 100 lbs. or more, frt. alld.	lb.	.70	- —
less than 100 lbs., works.	lb.	.75	- —
Methylcyclohexane, 98-100%, dms., dlvd.	lb.	.17	- —
Methylcyclohexanol, 98-100%, dms., dlvd.	lb.	.26	- —
Methylcyclohexanone, 98 - 100%, dms., dlvd.	lb.	.40	- —
Methylene blue, medcl., kgs., 100 lbs.	lb.	2.00	- —
cns., 5 lbs.	lb.	2.35	- —
Chloride, dms., f.o.b. works.	lb.	.18	- .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.07	- —
l.c.l., same term.	lb.	.07½	- —
tanks, same terms.	lb.	.06	- —
Methylheptenone, bots.	lb.	2.45	- 3.00
Methylhexyl ketone, dms., tech., works.	lb.	80	- —

(*Above*) **SMART LEATHER GLOVES** call for extreme care in cutting and stitching—and for the finest quality of leather. Cyanamid's full line of leather chemicals and technical assistance in their use aid the tanning industry to meet the most exacting requirements.



(*Above*) **COLD LIGHT** comes close to being a reality in the increasingly popular fluorescent lamps that convert more energy into light, waste less in unwanted heat. Photo shows lamps undergoing test. Beetle*** Translucent Laminated—the plastic that is already firmly established as an ideal material for reflectors in conventional lighting equipment—is finding new applications in diffusers for fluorescent lamps.



(*Above*) **TWENTIETH-CENTURY ALCHEMISTS** continue their research into the transmutation of elements. Streaks in photo are proton tracks in the cyclotron at California Institute of Technology, where fluorine has been converted into neon and then into oxygen.

(*Above*) **MINE SAFETY** is reaching new highs with the aid of safeguards developed by chemistry. Outstanding contribution to accident prevention is the use of AEROSOL* Wetting Agents in cutting and loading operations, where this highly efficient wetting agent helps prevent formation of explosive dusts.

AMERICAN CYANAMID & CHEMICAL CORPORATION

30 ROCKEFELLER PLAZA · NEW YORK, N. Y.

*Trade-mark of American Cyanamid & Chemical Corporation applied to Wetting Agents of its own manufacture. **Trade-mark. ***Trade-mark of American Cyanamid Company applied to urea products manufactured by it.

Methylisob. Ket.—Oil, Anilin

Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works..gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.50
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs. extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works.ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs., extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works, ton.35.00 - —
Mica, dry, white, No. 1 quality, bgs., l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
white, paint, bgs., extra and returnable, c.l. works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
rubber, bgs., c.l., frt. alld. E, lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02½- .06
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinners and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06¼- .06⅝
Molybdate orange (see Orange, molybdate).
Molydenum metal, kgs., 99% powd..lb. 2.00 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .06
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.19.00 -20.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .17½- .18
yellow, prompt shipt., bgs..lb. .17 - .17½
Chinese yellow, bgs.....lb. .10 - .10½
Danish, yellow.....lb. .30 - .31
Dutch, yellow.....lb. .30 - .31
English, yellow, bgs.....lb. No stocks
Montana yellow, bgs.....lb. .15 - .15½
Roumanian, yellow.....lb. .16½- .17
Myrobalans, J1, bgs., f.a.s...ton.40.00 - —
J2, bgs., f.a.s.....ton.34.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha. V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works..100 lbs. 2.25 - 2.50
bbls., c.l., works...100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works, 100 lbs. 2.50 - 2.75
l.c.l., works.....100 lbs. 2.75 - 3.00
import, bgs., c.i.f.....100 lbs. No price
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.), same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07 - —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 8-11% ammon., bulk, f.o.b. Carrollville, Wis., divd..unit-ton. 1.75 - —
f.o.b. Chemical, Ill., unit-ton. 1.75 - —
East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., cs....lb. .27 - .29
Chinese .....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .18 - .19
110s, bgs., cs.....lb. .16 - .16½
West Indian, bgs.....lb. .08¼- .08¾
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .06½- —
l.c.l., bbls., works.....lb. .08⅝- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., divd..lb. .35 - —
Octyl acetate, dms., c.l. works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns....lb. .70 - .75
Amber, crude, cns.....lb. .22 - .23
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.80.00 Nom.
seed, bots.....lb.48.00 -53.00
Anilin (see A).

Meet the Can with the Inner Seal—

IT'S GOT WHAT YOU NEED—PLUS SALES APPEAL!

1.

It's the convenient and efficient Continental lock-top can with the tamper-proof inner seal. See those dimples on the cover? They're a patented feature of the locking mechanism. They keep the top from shaking loose in transit.

2.

And speaking of opening—it's a cinch to remove this top. Just a quick twist of the wrist. Now you can see the inner seal. There's your safeguard against tampering and contamination. It prevents any adulteration or substitution . . . an added assurance for both you and your customers.

3.

Here's another big reason why the inner seal is so important. It means that your product is kept intact. The inner seal keeps powders and other dry products from sifting out. The "double-check" inner seal can be installed in practically any type of lock-top can made by Continental.

4.

Last, but far from least, the inside of the cover can be lined with a snug-fitting wax gasket. This helps keep your product fresh and dry *after* the inner seal has been broken. No wonder *this* lock-top can is preferred by so many consumers, merchandised by so many manufacturers!

THE lock-top can with its tamper-proof inner seal is but one of many superior containers made by Continental to help you protect your products and profits. These packages not only offer both merchandisers and consumers exclusive advantages of construction, but are distinctively designed for *eye* appeal and *buy* appeal.

Our packaging experts—specialists in conceiving and translating merchandising ideas into color, design, and style—are always at your service to help you make your product easier to pack, sell, and use . . . to give you sound, frank advice on any idea that may make containers more economical and practical to ship, market, and display. This is the type of service Continental offers every customer. Why not take advantage of this cooperation? It will cost you nothing to find out all about it. Just write.

CONTINENTAL CAN COMPANY

NEW YORK • CHICAGO • SAN FRANCISCO • MONTREAL • TORONTO • HAVANA

Oil, anise, USP, cns., dms.....lb. .75 - .80
Apricot, kernels, cns.....lb. .38 - .39
Babassu, tanks.....lb. .05¾ Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.75 - 2.50
natural, coppers.....lb. 8.50 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .27 - .28
rectified, cns.....lb. .85 - .90
Bois de rose, Brazil, cns.....lb. 1.55 - 1.60
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .60 - .67
USP, IX, cns.....lb. .62 - .72
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .31 - .32
dms.....lb. .28 - .29
white, cns.....lb. .35 - .37
dms.....lb. .32 - .33
Cananga, native, cns.....lb. 1.60 - 1.65
rectified, cns.....lb. 2.00 - 2.35
Capsicum (oleoresin), U.S.P. VIII..cns. 3.60 - 3.65
Caraway, USP, cns.....lb. 5.00 Nom.
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.35 - 1.40
Castor, blown, one-way dms., c.l..lb. .12¾- —
l.c.l.....lb. .13½- —
cold pressed, USP, bbls., c.l., lb. .11¼- —
l.c.l.....lb. .12 - —
cns. (1-gal), l.c.l.....lb. .15 - —
dms, (returnable), c.l...lb. .11 - —
l.c.l.....lb. .11⅝- —
(5-gal.), l.c.l.....lb. .13 - —
tanks.....lb. .10½- —
dehydrated, dms., c.l.....lb. .1360- —
l.c.l.....lb. .14 - —
tanks.....lb. .13 - —
extracted No. 3, tech., bbls., c.l..lb. .10¾- —
l.c.l.....lb. .11½- —
dms. (returnable), c.l.....lb. .10½- —
l.c.l.....lb. .11¼- —
tanks.....lb. .10 - —
sulphonated, 50% (43% fat), dms., c.l..lb. .07½- —
l.c.l.....lb. .08½- —
75% (63% fat), dms., c.l..lb. .10¼- —
l.c.l.....lb. .11¼- —
80% (68% fat), dms., c.l..lb. .10½- —
l.c.l.....lb. .11½- —

Castor oil, USP, and No. 3, prices are divd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ⅝c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.....lb. .90 - .95
dms.....lb. .85 - .90
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .22 - .25
Celery, bots.....lb. 9.50 -10.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .26½- —
tanks.....lb. .25¼- —
Cinnamon, Ceylon, bots.....lb. 9.25 -27.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .32 - .33
dms.....lb. .30 - .31
Java, cns., dms.....lb. .29 - .30
Clove, makers, USP, cns....lb. 1.15 - 1.20
dms.....lb. 1.10 - 1.15
Coconut, Manila, crude, tanks, lb. .02¾- —
edible, 76°, dms. (returnable), c.l..lb. .07½- —
l.c.l.....lb. .08 - —
tanks.....lb. .06¾- —
Cod, Newf., bbls.....lb. .60 - —
Codliver, med., USP, bbls..bbl.70.00 -75.00
Coriander, bots.....lb.10.50 -13.50
Corn, crude, tanks, wks.....lb. .05¼- .05¼
refd., bbls.....lb. .07⅝- .07⅝
Cottonseed, cooking, bbls....lb. .07⅝- —
salad, bbls.....lb. .08 - —
Creosote (see C).
Croton, N. F., cns.....lb. 2.25 - 2.50
Cubeb, USP, cns.....lb. 3.25 - 3.50
Crude (see Petroleum, crude).
Cumin, bots.....lb. 5.25 - 5.50
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.70 - 1.75
California, 24 plus, bulk...bbl. 1.55 - —
Dill seed, bots.....lb. 4.50 - 5.00
weed, bots.....lb. 4.00 - 4.25
Dip (see L).
Erigeron, cns.....lb. 2.15 - 2.20
Eucalyptus, cns.....lb. .70 - .72
dms.....lb. .68 - .70
Fennel, sweet, cns.....lb. 1.90 - 2.00
Fuel, bunker, California, tide-water..bbl. .75 - .90
Gulf Coast, at terminal..bbl. .80 - —
Louisiana, Arkansas, 10-14, bbl. .70 - —
N.Y. and N.J. terminals.bbl. 1.25 - —
North Texas, 18-22.....bbl. .72½- .77½
24-28, zero cold test....bbl. 1.00 - —
Oklahoma, 18-22.....bbl. .72½- .77½
24-28, zero cold test....bbl. 1.00 - —
24-28, 15 and above....bbl. .80 - —
Pennsylvania, 36-40.....gal. .04 - —
Furnace, Bayonne, 1, bulk, refinery..gal. .0510- —
2, bulk, same basis.....gal. .0410- —
4, bulk, same basis.....gal. .0410- —
Louisiana - Arkansas, 23 - 36, light straw..gal. .03½- .03⅝
Oklahoma, 28-30.....gal. .03 - —
32-36.....gal. .03¼- .03⅜
36-38.....gal. .03⅝- .03¾
38-40 zero, 60 e.p.....gal. .03⅝- —
Fusel (see F).
Gas, 27 plus, Bayonne, bulk.gal. .0440- —
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02⅝- .02¾
Oklahoma, bulk.....gal. .02⅝- .02¾
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose., cns. lb. 3.40 - 3.75
Bourbon, cns.....lb. 3.35 - 3.75
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.60 - 1.65
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 2.80 - 2.85
Haarlem, imported, bots..gross. No prices
Hemlock, cns.....lb. 1.00 - 1.25
Juniper tar, USP XI, cns....lb. .37 - .40
wood, tech., cns.....lb. .50 - —
Juniper tar, USP XI, cns....lb. .40 - .45
Lard, common, 1, bbls.....lb. .06¾- —
2, bbls.....lb. .06½- —
extra, bbls.....lb. .07¼- —
1, bbls.....lb. .07 - —
winter, strained, bbls.....lb. .07½- —
prime, burning, bbls.....lb. .08¼- —
prime, ined., bbls.....lb. .07⅝- —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 6.00 Nom.
38-42% ester, cns.....lb. 4.50 - 4.75
35-38% ester, cns.....lb. 4.00 - 4.25
30-32% ester, cns.....lb. 3.50 - 3.75
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.10 - 1.15
dms.....lb. 1.05 - 1.10
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 Nom.
Terpeneless, Type 1.....lb.10.50 -16.50
Type 2.....lb. 8.35 -14.50

Oil, lemongrass, native, cns., dms., lb. .65 - .70
Lime, dist., cns.....lb. 5.25 - 5.50
expressed, cns.....lb. 7.50 - 7.75
Terpeneless, Type 1.....lb.70.00 -78.00
Type 2.....lb.42.00 -46.50
Linaloe wood, cns.....lb. 1.30 - 1.35
Linseed, raw, dms., c.l.....lb. .0850- .0870
l.c.l., 10 to 99.....lb. .0890- .0910
5 to 9.....lb. .0910- .0930
less than 5.....lb. .0930- 0950
tanks.....lb. .0790- .0810
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal)—California, green, 70, 80, 100, vis., dms.....gal. .15 - —
140 vis., dms.....gal. .16 - —
green, pale, 750, 900 vis., dms..gal. .17 - —
200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .17 - —
Oklahoma, bright stocks, 100-110 D, color 4,0-10 pour, tanks..gal. .15 - —
15-25 pour, tanks.gal. .15½- —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .15½- —
15-25 pour, tanks..gal. .13½- —
150-160 E, color 5½, 15-25 pour,tanks..gal. .13½- —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .12½- —
neutrals, 0-16 pour, 150 vis., 3 colors, tanks..gal. .07 - —
180 vis., 5 color, tanks, gal. .09 - —
4 color, tanks.....gal. .09 - —

Oil, lubricating, at refinery, Oklahoma, neutrals, 200 vis., 3 color, tanks..gal. .09 - —
4 color, tanks.....gal. .08½- —
250 vis., 3 color, tanks, gal. .10 - —
4 color, tanks.....gal. .10 - —
280 vis., 3 color, tanks, gal. .10½- —
4 color, tanks.....gal. .10 - —
10-25 pour prices are ½c. per gallon less than zero to 10° pour.
Pennsylvania, bright stocks, 3 color, 140-150 vis., 545-550 flash, 10 pour, tanks..gal. .14½- .15
15 pour, tanks.....gal. .13½- .14
25 pour, tanks.....gal. .12 - .14
cylinder oil, 600 flash, tanks..gal. .11 - .12
650 flash, tanks....gal. .12 - .13
600 steam refined, tanks, gal. .08 - .09
650 steam refined, tanks, gal. .10 - .11
Neutrals, 150 vis., 70°F., 3 color, 400-405 flash, zero pour, tanks..gal. .22½- —
10 pour, tanks.....gal. .21½- —
15 pour, tanks.....gal. .20½- —
25 pour, tanks.....gal. .19 - .20
200 vis., 70°F., 3 color, 420-422 flash, zero pour, tanks..gal. .24½- —
10 pour, tanks.....gal. .23½- —
15 pour, tanks.....gal. .22½- —
25 pour, tanks.....gal. .21 - .22
Mace, dist., cns., dms.....lb. 2.50 - 2.55
Mandarin, superior coppers..lb. 9.00 -10.00
Menhaden, crude, tanks, fut., Balto..gal. .21 - —
refd., alkali, dms.....lb. .0670- —
tanks.....lb. .0610- —
blown, dms.....lb. .0690- —

Oil, Anise—Oil, Origanum

Oil, menhaden, kettle-bodied, dms., lb. .0790 - —
light-pressed, dms.....lb. .0610- —
tanks.....lb. .0550- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.60 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .07¼- —
1, bbls.....lb. .07 - —
prime, bbls.....lb. .07½- —
pure, bbls.....lb. .10½- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 200.00-325.00
Nutmeg, dist., cns., dms....lb. 2.50 - 2.55
Oleo, 1, bbls.....lb. .07⅝- —
2, bbls.....lb. .07⅛- —
Oiticica, dms.....lb. .18½- .19½
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 1.75 Nom.
edible, dms.....gal. 2.65 Nom.
foots, dms.....lb. .08⅝- —
sulphonated, 50%, (42% fat), dms., c.l..lb. .09½- —
l.c.l.....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l.....lb. .13½- —
80% (68% fat), dms., c.l., lb. .127 - —
l.c.l.....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.10 - 1.15
Calif., cns.....lb. 1.00 - —
Florida, cns.....lb. 1.25 - 1.30
Messina, USP, coppers....lb. 8.25 Nom.
West Indies, cns.....lb. 2.00 - 2.10
terpeneless.....lb.42.00 -50.00
Origanum, cns.....lb. 1.05 - 1.45

OUTSELLS
ALL OTHER BRANDS COMBINED
3 TO 1
Exchange
OIL OF LEMON
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FRITZSCHE BROTHERS, INC.
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Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Oil, Orris—Pariera Brava Rt.

Oil, orris, Florentine, concrete, extra strong, bots..oz.	6.50	- 6.75
Palm, Niger, dms.....lb.	.03¾	Nom.
shipment .....lb.	.03	Nom.
softs, 12½%, bulk, shipt....lb.	.02¾	Nom.
Sumatra, shipt., bulk.....lb.	.02¼	Nom.
Palmarosa, cns.....lb.	2.25	- 2.60
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal.	.05¼-	—
350° flash, 70-80 vis., tanks, G. 3..gal.	.05¼-	—
80-85 vis., bbls., extra, Ind. refy..gal.	.12	- —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal.	.14	- —
300° flash, 100-110 vis., tanks, G. 3..gal	.05¾-	—
Patchouli, bots., cns.....lb.	6.00	- 6.50
Peanut, crude, dom., tanks..lb.	.05¾	Nom.
refd., edible, bbls.....lb.	.08½	Nom.
Pennyroyal, dom., cns.....lb.	3.00	Nom.
import, cns.....lb.	2.50	- 2.75
Peppermint, natural, cns., dms., lb.	2.35	- 2.60
redist., USP, cns., dms....lb.	2.60	- 2.85
Perilla, dms.....lb.	.17¼-	.18
tanks .....lb.	.16¾-	.17
Petitgrain, Paraguay, cns....lb.	1.50	- 1.55
Pimento berry, cns.....lb.	4.35	- 7.25
leaf, cns.....lb.	2.40	- 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal.	.50	- .55
steam-dist., dms.....gal.	.59	- —
tanks .....gal.	.54	- —
Pineneedle, Siberian, cns....lb.	1.25	- 1.30
Putty, bbls., E. Segundo, Richmond, Cal..gal.	.22½-	—
contracts .....gal.	.19½-	—
Whiting, Ind.....gal.	.28	- —
Oil, putty, dms., c.l., Boston, Providence..gal.	.25	- —
l.c.l., same basis.....gal.	.27	- —
tanks, same basis.....gal.	.18	- —
Martinez, Cal.....gal.	.28	- —
Rapeseed, blown, bbls.....lb.	.17½	Nom.
denat., bbls.....gal.	1.10	- 1.15
Red, dist. or saponif., dms., dlvd..lb.	.06¼-	.07¼
tanks, dlvd.....lb.	.05¾-	—
Rose, artif., bots.....oz.	1.35	- 2.25
natural, coppers.....oz.	5.50	-22.50
Rosemary, Spanish, cns.....lb.	.59	- .64
dms. .....lb.	.54	- .59
Rosin, 1st rectfd., dms.....gal.	.42	- —
2d rectfd., dms.....gal.	.44	- —
3d rectfd., dms.....gal.	.48	- —
Rue, bots.....lb.	3.00	- 3.25
Sage, cns.....lb.	2.00	- 3.00
Sandalwood, E. I., USP, cns..lb.	5.25	- 5.50
Mysore, cns., car lots.....lb.	5.50	- 5.75
Sardine, crude, tanks, Pac. Cst., gal.	Nom.	
refd., alkali, dms.....lb.	.0670-	—
tanks .....lb.	.0610-	—
kettle-bodied, dms.....lb.	.0790-	—
light-pressed, dms.....lb.	.0610-	—
tanks .....lb.	.0550-	—
Sassafras, artif., cns.....lb.	.83	- .84
dms. .....lb.	.80	- .81
natural, cns., dms.....lb.	1.15	- 1.20
Savin, cns.....lb.	3.75	- 4.00
Savory, cns.....lb.	3.50	- 3.75
Shingle stain, bbls., c.l., works, gal.	.19	- —
l.c.l., works.....gal.	.20	- —
tanks, works.....gal.	.14	- —
Snakeroot, Canada, cns.....lb.	9.50	-10.50
Soybean, dom., crude, dms...lb.	.05¼-	.05¾
tanks .....lb.	.04½-	.04¾
refd., dms.....lb.	.06½-	.07¼
tanks .....lb.	.05¾-	.06¼
Spearmint, dms.....lb.	2.10	- 2.15
Oil, sperm, bleach, 38°, dms...lb.	.1100-	—
45°, dms.....lb.	.1030-	—
natural, dms.....lb.	.0980-	—
Spruce, cns., dms.....lb.	1.00	- 1.25
Sweet, birch, North, cns.....lb.	2.23	- 2.63
South, cns.....lb.	1.55	- 1.70
Tall, crude, dms., c.l., works, l.c.l., works.....ton.	40.00	- —
tanks, works.....ton.	30.00	- —
distilled, dms., c.l., dlvd...lb.	.05½-	.07
l.c.l., dlvd.....lb.	.06½-	.08¼
tanks, dlvd.....lb.	.05	- .06¾
refined, dms., c.l., works...lb.	.04	- —
l.c.l., works.....lb.	.04½-	—
tanks, works.....lb.	.03½-	—
Tallow, acidless, bbls.....lb.	.06¾-	—
tanks .....lb.	.06¼-	—
Tansy, cns.....lb.	4.25	- 4.50
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal.	.26	- —
E. ports, c.l.....gal.	.25	- —
l.c.l. .....gal.	.27	- —
tanks, dlvd. E. cities....gal.	.20	- —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal.	.55	- —
Tar acid (see T).		
Teaseed, crude, dms.....lb.	.12½	Nom.
Tea Tree (see Oil, Ti tree).		
Thyme, NF, red, dms.....lb.	.80	- 1.75
white, dms.....lb.	.95	- 1.95
Tung (see Oil, chinawood).		
Ti tree, cns.....lb.	2.30	- 2.80
Turkey red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.....gal.	6.00	- —
Valerian, bots.....lb.	8.00	- 9.00
Vetiver, bots.....lb.	3.75	-15.00
Whale, ref., natural, dms..lb.	.0910-	—
winter, bleach, dms.....lb.	.0950-	—
Wheat germ, cns., dms....gal.	17.50	-25.00
Oil, white, mineral, dom., dms., tech., 50-60 vis., dms.gal.	.33	- .34
65-75 vis., dms.....gal.	.37	- .43
80-90 vis., dms.....gal.	.38	- .44
USP, 80-90 vis., dms....gal.	.41½-	.47
95-105 vis., dms.....gal.	.50	- .51
125-135 vis., dms.....gal.	.56	- .57
140-150 vis., dms.....gal.	.57½-	.59½
175-185 vis., dms.....gal.	.63½-	.64½
200-210 vis., dms.....gal.	.66½-	.67½
320-330 vis., dms.....gal.	.73½-	.76½
335-345 vis., dms.....gal.	.76	- .77
Russian, 80-90 vis., dms.gal.	No prices	
145-155 vis., dms.....gal.	No prices	
175-185 vis., dms.....gal.	No prices	
335-345 vis., dms.....gal.	No prices	
Wintergreen, natural, North, cns..lb.	4.35	- 5.00
South, cns.....lb.	3.05	- 3.75
synth, (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.....lb.	4.00	- 4.10
Wormwood, cns.....lb.	5.25	- 5.50
Ylang-ylang, Bourb., bots., cns. lb.	3.00	- 8.00
Manila, bots.....lb.	18.00	-22.00
Olivine, aggregate, c.l., mines, ton.	7.00	-11.00
Lumps, same basis.....ton.	7.00	- —
Spalls, same basis.....ton.	5.00	- —
ground, 325 mesh c.l., mines, ton.	20.00	- —
200 mesh, c.l., mines....ton.	17.00	- —
100 mesh, c.l., mines....ton.	15.00	- —
20 mesh to dust.....ton.	12.00	- —
Opium USP, cns.....lb.	11.50	-12.50
gran., cns.....lb.	12.50	-13.50
powd., cns.....lb.	12.50	-13.50
Orange Lake, Persian, bbls....lb.	.30	- .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb.	.10½-	—
Ariz., Idaho, Nev., Utan and E. of Cascade Mts. in Ore. and Wash..lb.	.11	- —
Colo., Mont., N. M., Wyo..lb.	.10¾-	—
Other points.....lb.	.10¼-	—
smaller lots, dlvd., Ala., etc..lb.	.11	- —
Ariz., etc.....lb.	.11½-	—
Colo., Mont., N. M., Wyo..lb.	.11¼-	—
Other points.....lb.	.10¾-	—
French, Tours, casks, ex dock..lb.	.13½-	—
kgs., ex dock.....lb.	.14½-	—
Molybdate, bbls.....lb.	.31	- —
Toner, bbls.....lb.	.80	- —
Orangeflower petals, cs.....lb.	.45	- .50
Orange peel, bitter, bls.....lb.	.09	- .10
sweet, bls.....lb.	.11	- .12½
Orris root, Florentine, bgs.....lb.	.45	- .50
fingers, cs.....lb.	1.35	- 1.70
powd., bbls., bxs.....lb.	.48	- .53
Verona, bls.....lb.	.34	- .35
powd., bxs., cs.....lb.	.37	- .38
Orthoanisidin, bbls.....lb.	.70	- —
Orthochloranilin, dms.....lb.	.60	- .75
Orthochlorophenol, dms.....lb.	.32	- —
Orthocresol, dms., c.l., works..lb.	.16	- —
l.c.l., same basis.....lb.	.16½-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb.	.06	- —
l.c.l., same basis.....lb.	.07	- —
100-lb. tins, same basis..lb.	.08	- —
50-lb. tins, same basis..lb.	.09	- —
tanks, same basis.....lb.	.05½-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.....lb.	.55	- —
Orthonitrochlorobenzene, dms..lb.	.15	- .18
Orthonitroparachlorophenol, cns.lb.	.75	- —
Orthonitrotoluene, dms.....lb.	.09	- —
Orthophenetidin, dms.....lb.	.80	- —
Orthotoluidin, dms.....lb.	.19	- —
Osage orange extract, crystl., bbls. lb.	.21	- —
liquid, 42°, bbls.....lb.	.09	- —
31°, bbls.....lb.	.10	- —
Oxyquinolin sulphate, cns., 100-lbs., works..lb.	3.50	- —
bots., cns., 1-50 lbs.....lb.	3.65	- 4.00
Orthotoluene hydrochloride, dms.lb.	.22	- —
Sulphonate, kgs.....lb.	2.00	- 2.05

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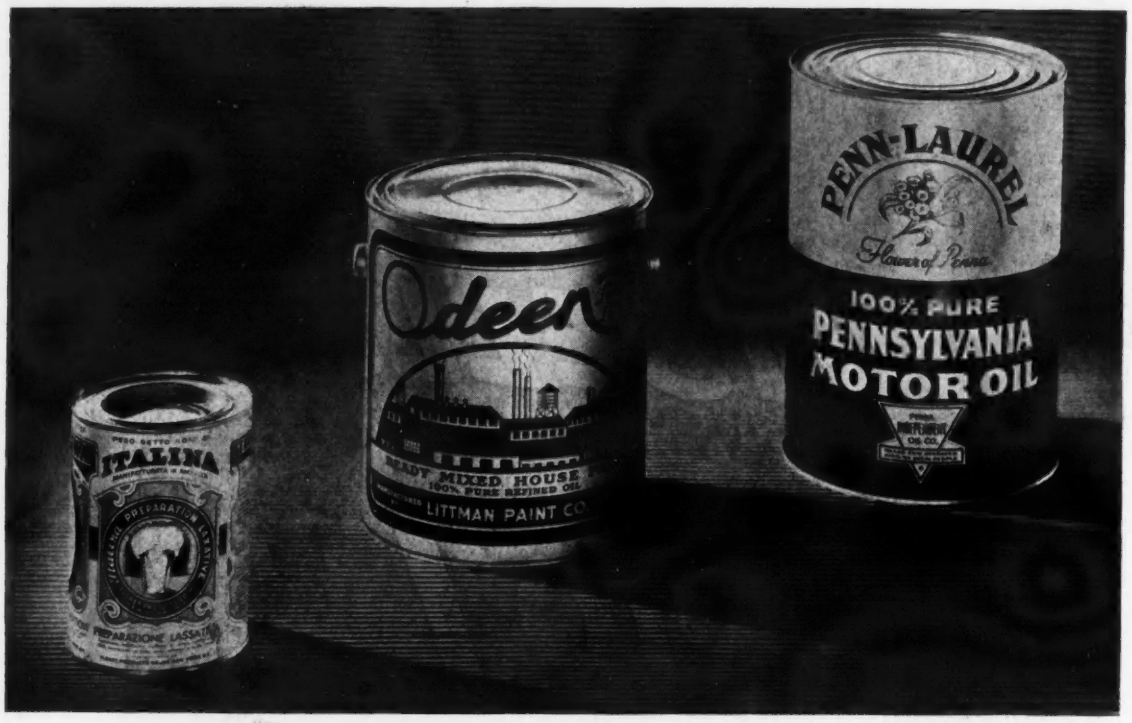
Papain, powd., cs.....lb.	1.45	- 1.50
Paprika, Algerian, bgs.....lb.	.31	- .32
Bulgarian, bgs.....lb.	.28½-	.30
Hungarian, extra fancy, bgs.lb.	.40	- .41
medium, bgs.....lb.	.35½-	.36
Paprika, Portuguese, extra fancy, bgs..lb.	.33	- .34
fancy, bgs.....lb.	.32	- .33
Spanish, fancy, cs.....lb.	.31	- .32
Parachlorophenol, dms.....lb.	.32	- —
Paracymene, refd., dms..... gal.	.75	- 1.25
Paradichlorobenzene, dms., c.l.lb..	.11	- .12
l.c.l. .....lb.	.12½-	.13¼
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb.	.02	- .02¼
bbls., c.l., N.Y.....lb.	.02¼-	—
124-126 A.m.p., bgs., c.l., Okla., refy..lb.	.02¼-	.02¾
bbls., c.l., N.Y.....lb.	.02¾-	.02½
yellow, 124-126 A.m.p., bbls., c.l., N.Y..	.0210-	—
fully refd., bgs., 123-125 A.m.p., bgs., c.l..lb.	.0370-	—
128-130 A.m.p., bgs., or loose, c.l..lb.	.0570-	—
131-133 A.m.p., bgs., or loose, c.l..lb.	.0595-	—
133-135 A.m.p., bgs., or loose, c.l..lb.	.0625-	—
135-137 A.m.p., bgs., or loose, c.l..lb.	.0650-	—
138-140 A.m.p., bgs., or loose, c.l..lb.	.0725-	—
143-145 A.m.p., bgs., or loose, c.l..lb.	.0820-	—
151-153 A.m.p., bgs., or loose, c.l..lb.	.15	Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.		
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb.	.03½-	—
semi-rfd., solid, 122-124 A.m.p., bgs..lb.	.03	- —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y .C..lb.	.23	- —
100 to 900 lbs. shipments, same basis..lb.	.24	- —
Paraldehyde, tech., 98%, 55 and 110 gal. dms., c.l., works.lb.	.10	- —
l.c.l., works.....lb.	.11¼-	—
5- and 10-gal. dms., works..lb.	.15	- —
USP, cs., cbys.....lb.	.37	- .45
Paranisidine, dms.....lb.	.75	- —
Paranitroanilin, kgs., works...lb.	.47	- —
Paranitrochlorobenzene, kgs...lb.	.15	- —
Paranitrophenol, kgs.....lb.	.35	- —
Paranitrotoluene, kgs.....lb.	.30	- —
Paraphenylenediamine, bbls....lb.	1.25	- 1.30
Paratoluenesulphonamide, bbls.lb.	.70	- —
Paratoluidin, bbls.....lb.	.48	- —
Pareira brava root, bls.....lb.	.20	- .21



A Much Abused Word

Though quality is often a much abused word, it is always of first importance to buyers of cans.

It is just here that Crown Can has so much to offer, thanks to extensive buying connections and unusually fine facilities for the fabrication of prime quality containers.

With Crown, control is the watchword. Control of plate, control of dies and tools, control of all equipment by the most painstaking and unremitting inspection and supervision.

In short, Crown offers the progressive can buyer a thoroughly comprehensive can service backed by an interpretation of quality second to none.

CROWN CAN COMPANY, PHILADELPHIA, PA.
Division of Crown Cork and Seal Company
BALTIMORE ST. LOUIS HOUSTON MADISON ORLANDO
FORT WAYNE NEBRASKA CITY

CROWN CAN

INDEPENDENT AND HELPFUL

Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
l.c.l., same basis	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.08 - .09
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.30 - .32
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentane, norm., 28-38°, dm., c.l., G.3.	gal.	.11½- —
l.c.l., G.3	gal.	.16 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G.3	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Alleppey, bags.	lb.	.07½- .07¾
Lampong, bags	lb.	.0385- .0405
Tellicherry, bags	lb.	.07½- .07¾
White, Java, Muntok, bags.	lb.	.07½- .08
Singapore, Muntok	lb.	.07¼- .07¾
Red, chillies, Japan, Hontaka.	lb.	.22½- .23
Mombassa, bgs.	lb.	.28 - .28½
Peppermint leaves, dom., bls.	lb.	.45 - .50
imports, bls.	lb.	.75 - .80
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08¼- —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 - —
	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana, Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.68 - .70
Petrolatum, amber, dms., c.l.	lb.	.03¾- —
l.c.l.	lb.	.03¾- —
amber, extra, dms.	lb.	.03 - —
l.c.l.	lb.	.04 - —
white, cream, dms., c.l.	lb.	.04 - —
l.c.l.	lb.	.05½- —
lily, dms., c.l.	lb.	.04¾- —
l.c.l.	lb.	.06¼- —
snow, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.07½- —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.42 - 1.75
Canada	bbl.	2.10 - 2.17
Central West:—		
Illinois	bbl.	.53 - 1.15
Lima	bbl.	.90 - —
Michigan	bbl.	.92 - 1.18
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast	bbl.	.74 - 1.41
Kentucky, Tennessee	bbl.	1.10 - 1.20
Louisiana, Arkansas	bbl.	.73 - 1.20
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.51 - 1.10
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford, Allegany	bbl.	1.85 - —
Corning	bbl.	1.12 - —
N. Y. Transit lines	bbl.	1.85 - —
Eureka lines	bbl.	1.44 - —
S. W. Penn lines	bbl.	1.50 - —
lower district in National Transit lines.	bbl.	1.73 - 1.78
Rocky Mountains	bbl.	.51¼- 1.80
South Central and Southwestern Texas.	bbl.	.73 - 1.27
Texas Panhandle	bbl.	.67 - .96
West Texas	bbl.	.53 - .95
Ether, 30-60°, dms., c.l., G.3,	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
35-60°, dms., l.c.l., G.3	gal.	.30½- —
40-75°, dms., c.l., G.3	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
laboratory grade, dms., c.l., G.3.	gal.	.14½- —
c.l., G.3	gal.	.25½- —
10-gal. lots, G.3	gal.	.50½- —
Lacquer, diluent, at rfinery:—		
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles.	gal.	.11 - —
San Francisco.	gal.	.11½- —
f.o.b. Richmond	gal.	.11 - —
Willbridge, , Ore., Fort Wells, Wash.	gal.	.12 - —
East Coast, tanks	gal.	.09½- .10
Group 3, toluol type, tanks,	gal.	.07⅞- —
benzol type, tanks	gal.	.07⅞- —
Naphtha, cleaners', at refinery:—		
East Coast, tanks	gal.	.09 - .10½
Group 3, tanks	gal.	.06⅞- .07
tankwagon, Boston, ex tax,	gal.	.13½- —
Bridgeport	gal.	.13½- —
Chicago, inc. 4c. tax	gal.	.18 - —
Decatur, inc. 4c. tax	gal.	.1910- —
tankwagon, Des Moines, inc. 4c. tax.	gal.	.1890- —
Des Moines, inc. 4c. tax,	gal.	.1890- —
Evansville, inc. ex tax.	gal.	.15 - .16
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½- —
Newark, ex tax	gal.	.10½- —
New York, ex tax	gal.	.10½- —
Omaha, ex tax	gal.	.1490- .1590
Oklahoma City, ex tax.	gal.	.16½- —
Philadelphia, ex tax	gal.	.12 - —
St. Louis, inc. 1c. tax.	gal.	.15½- —
Syracuse, 150 gals.	gal.	.14½- —
smaller lots, galv. drums,	gal.	.10 - —
milk cans	gal.	.21 - —
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.20 - —
2, over 90% arom., same basis.	gal.	.21 - —
3, same basis	gal.	.22 - —
No. 8, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½- —
30, same basis	gal.	.17½- —
40, same basis	gal.	.17¾- —
V. M. & P., at refinery:—		
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles.	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle	gal.	.11 - —
East Coast, tanks	gal.	.09½- —
Group 3, tanks	gal.	.06⅞- .07
tankwagon, Boston, ex tax.	gal.	.1350- —
Chicago, inc. 4c. tax.	gal.	.17 - —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Decatur, inc. 4c. tax.	gal.	.1910- —
Evansville, Ind., ex tax.	gal.	.1520- .1620
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 - —
Newark, ex tax	gal.	.11½- —
New York, ex tax	gal.	.10½- —
Omaha, ex tax	gal.	.1490- .1590
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1570- —
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½- —
Group 3, light, 120 l.b.p., 250 e.p., tanks.	gal.	.06⅞- .07
standard, 180 l.b.p., 288 e.p., tanks.	gal.	.06⅜- .07
Stoddard (CS 3-33), at refinery:—		
East Coast, tanks	gal.	.08¾-, .09½
Group 3, tanks	gal.	.06⅜- .06½
tankwagon, Boston, ex tax,	gal.	.14 - —
Chicago, inc. 4c. tax.	gal.	.1640- —
Decatur, inc. 4c. tax.	gal.	.1860- —
Des Moines, inc. 4c. tax.	gal.	.1840- —
Evansville, Ind., ex tax.	gal.	.14 - .15
Milwaukee, inc. 5c. tax.	gal.	.1980- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820- —
Newark, ex tax.	gal.	.09½- —
New Orleans, ex tax.	gal.	.09½- —
New York, ex tax.	gal.	.09½- —
Omaha	gal.	.1360- .1450
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1340- —
Tulsa, ex tax.	gal.	.10½- .11¼
Petroleum, thinners, at refinery:—		
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 - —
Portland	gal.	.11 - —
San Francisco	gal.	.10½- —
Seattle	gal.	.11 - —
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 - —
Portland	gal.	.11 - —
San Francisco	gal.	.19½- —
Seattle	gal.	.11 - —
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 - —
Portland	gal.	.11 - —
San Francisco	gal.	.10½- —
Seattle	gal.	.11 - —
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles.	gal.	.08½- —
Portland	gal.	.09½- —
San Francisco	gal.	.09 - —
Seattle	gal.	.09½- —
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles.	gal.	.13 - —
Portland	gal.	.14 - —
San Francisco	gal.	.13 - —
Seattle	gal.	.14½- —
East Coast, 43-47, tanks.	gal.	.08¾- .09½
47-49, tanks.	gal.	.10½- —
Group 3, tanks	gal.	.05⅞- —
Tankwagon, tax included:—		
Albany	gal.	.13½- —
Baltimore (100 gals.)	gal.	.14 - —
25-99 gals.	gal.	.16 - —
Boston	gal.	.13¾- —
Bound Brook, North Amboy, N. J.	gal.	.13½- —
Bridgeport, Conn.	gal.	.11½- —
Buffalo	gal.	.15½- —
Camden, N. J.	gal.	.10 - .11½

Paris Green—Phenyle. Acetate

Petroleum, thinners, tankwagon:—		
Chicago	gal.	.1670- —
Decatur	gal.	.1810- —
Des Moines	gal.	.1790- —
Evansville, Ind.	gal.	.1420- .1520
Milwaukee	gal.	.1930- —
Minneapolis-St. Paul.	gal.	.19¼- —
Newark	gal.	.09½- —
New York (200 gals).	gal.	.09½- —
Omaha	gal.	.12½- —
Pittsburgh	gal.	.11½- .13½
Providence	gal.	.12 - —
Rochester	gal.	.12½- —
St. Louis	gal.	.1470- —
Syracuse	gal.	.10½- —
Trenton	gal.	.10½- —
Wilmington, Del.	gal.	.12½- —
Phenobarbital, 5-lb. bots.	lb.	3.95 - —
bots. or cns., 100 lbs., spot or contract.	lb.	3.00 - —
25-lb. cns.	lb.	3.85 - —
Phenol, USP, dms., c.l., works, frt. equald.	lb.	.13 - —
l.c.l., same basis	lb.	.13¾- —
under 1,000 lbs.	lb.	.14¾- —
tanks, works	lb.	.12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots.	lb.	.85 - —
bbls., dms., kegs, 100-250 lbs.,	lb.	.87 - .89
yellow, fib. dms., 2,000-lb. lots,	lb.	.80 - —
100-lb. fib. dms.	lb.	.82 - —
25-lb. dms.	lb.	.87 - —
50-lb. kgs.	lb.	.84 - —
Phenyl chloride, dms.	lb.	.17 - —
Phenylacetaldehyde, bots.	lb.	2.10 - 2.50
Dimethylacetate, cns.	lb.	14.50 -15.00
Phenyl ethyl acetate, cns.	lb.	2.90 - 3.00
Phenylethyiphenyl acetate, bots.,	lb.	8.00 -15.00

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STANDARD SINCE 1881

Phenylhydrazine—Quinine

Phenylhydrazine, base, CP, bots.	lb.	4.00 - —
hydrochloride, CP, bots., works.	lb.	4.00 - —
commercial, kgs., works	lb.	1.50 - —
pure, bbls., works	lb.	2.25 - —
Phlorogiucinol, CP, tins, wks.	lb.	20.00 -22.00
tech., tins, works	lb.	15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines	long ton.	4.35 - —
land pebble, 68% min., bulk, mines	long ton.	1.90 - —
70% min., bulk, mines	long ton.	2.15 - —
land pebble, 72% min., bulk, mines	long ton.	2.40 - —
75% basis, 74% min., bulk, mines	long ton.	2.90 - —
Tenn., 72% bulk, mines	long ton.	4.50 - —
75% bulk, mines	long ton.	5.50 - —
Phosphorus, red, cs.	lb.	.40 - .44
yellow, dms.	lb.	.18 - .20
cases	lb.	.23 - .25
Oxychloride, cyls.	lb.	.15 - .18
Pentoxide, dms., c.l., works.	lb.	.11 - .12
l.c.l., dms., works	lb.	.13 - .14
Sesquisulphide, cs.	lb.	.38 - .42
Trichloride, cyls.	lb.	.15 - .16
Phthalamide, bbls., works, tons.	lb.	.35 - —
single bbls., works	lb.	.40 - —
kgs., works	lb.	.45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R.	lb.	.14½- —
l.c.l., same basis	lb.	.15½- —
Pichi leaves, bgs.	lb.	.13 - .14
Pilocarpine hydrochloride, bots.,	vls. oz.	3.25 - 3.75
Nitrate, bots., vls.	oz.	3.15 - 3.65
Pimento, bags	lb.	.14½- .15
Pinkroot, bls.	lb.	.40 - .41
Pitch, burgundy (see B).		
Coaltar, 160° m.p., bbls., c.l., works	ton.	19.00 - —
l.c.l.	ton.	22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron	ton.	23.75 -24.00
Linseed, dms.	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, bbls.	bbl.	6.00 - 6.50
Plaster of Paris (see Gypsum).		
Pleurisy root, Southern, bls.	lb.	.12 - .13
Podophyllin, dms., dlvd. E. of Miss.	lb.	4.50 - 4.70
Poke root, bls.	lb.	.07 - .07½
Pomegranate bark, bgs.	lb.	.52 - .53
Root bark, bgs.	lb.	.47 - .48
Poppy flowers, red, bls.	lb.	.75 - .80
Seed, Dutch, bgs.	lb.	.19½- .20
Turkish, bgs.	lb.	.15 - .15½
Potash abietate	lb.	.08 - —
Acetate, tech., bbls., dlvd.	lb.	.26 - —
kgs., dlvd.	lb.	.28 - —
USP, bbls., 250 lbs.	lb.	.28 - —
kgs., 100 lbs.	lb.	.30 - —
cns., 25 lbs.	lb.	.31 - .44
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 - —
demj., 50 lbs.	lb.	.12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs.	lb.	.17 - —
kgs., 100 lbs.	lb.	.19 - —
gran., bbls., 250 lbs.	lb.	.17 - —
kgs., 100 lbs.	lb.	.19 - —
Bichromate, spot, c.l., works.	lb.	.08⅜- —
6 casks or 10 bbls., or over, works	lb.	.09 - —
5 casks or 9 bbls., or less, works	lb.	.09¼- —
Bromide, USP, gran., bbls., 500 lbs.	lb.	.27 - —
fib. dms., 100 lbs.	lb.	.28 - —
Carbonate, calc., dms., c.l., works	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 83-85%, bbls., c.l., works	lb.	.05½- —
l.c.l., same basis	lb.	.05¾- —
liquid, dms., c.l., works, frt. alld.	lb.	.03 - —
l.c.l., dms., same basis.	lb.	.03125- —
tanks, same basis	lb.	.0275- —
USP, gran., bbls., 325 lbs.	lb.	.14 - —
powd., bbls., 325 lbs.	lb.	.19 - —
kgs., 100 lbs.	lb.	.21 - —
Caustic, flake, 88-92%, dom., c.l., works	lb.	.07 - —
l.c.l.	lb.	.07¼- .07½
import, dms.	lb.	No prices
liquid, 45% basis, dms.	lb.	.03½- .03¾
tanks	lb.	.03⅞- —
solid, 88-92%, dom., dms., c.l., works	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
import, dms.	lb.	No prices
Chlorate, cryst., kgs.	lb.	.10½- .17
powd., kgs.	lb.	.10 - .17
Chloride, tech., 98%, cryst., bgs., kgs.	lb.	.04 Nom.
Chromate, kgs.	ib.	.24 - .27
Citrate, USP, gran., bbls., 250 lbs.	lb.	.33½- —
kgs., 100 lbs.	lb.	.34½- —
cns., 50 lbs.	lb.	.35½- —
cns., 25 lbs.	lb.	.37½- —
Cyanide, cns., dms.	lb.	No prices
Cyanide, gold, 11% gold, bots., works	oz.	14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots.	lb.	1.00 - —
100-lb. lots.	lb.	1.10 - —
50-lb. lots, cbys., or cns.,	lb.	1.15 - —
25-lb. lots, cns.	lb.	1.25 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots.	lb.	1.60 - 1.65
cns., 25 lbs.	lb.	1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs.	lb.	.32 - .34
Hypophosphite, cns., 100 lbs.	lb.	.72 - —
25 to 50 lbs.	lb.	.75 - —
Iodate, bots., 5 lbs.	lb.	3.55 - —
cns., 25 lbs.	lb.	3.46 - —
Iodide, bbls., 250 lbs.	lb.	1.45 - —
bots. or cns.	lb.	1.54 - 1.80
dms.	lb.	1.45 - 1.48
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports.	ton.	No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex-vessels, ports.	unit-ton.	.60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports.	ton.	No prices

Domestic manure salt prices, basis f.o.b., Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Metabisulphite, kgs.	lb.	.15 - .17
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports.	unit-ton.	.53½- —
import, min. 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port.	unit-ton.	No prices

Atlantic or Gulf ports.

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Potash, oxalate, pure, cryst., kgs.,	lb.	.30 - .31
tech., bbls.	lb.	.25 - .26
Nitrate, crude, bgs., c.l.f. ports.	ton.	No prices
Perchlorate, kgs., works	lb.	.09½- .11
Permanganate, tech., dms.	lb.	.18½- .19
Prussiate, red, bbls.	lb.	.45 Nom.
Yellow, bbls.	lb.	.17 - .19
Recinoleate, tech., bbls.	lb.	.13 - —
Silicate alkaline, lumps, bgs.	lb.	.07 - —
Sulphate, NF, cryst., 400 lbs., bbls.	lb.	.18 Nom.
100-lb. kgs.	lb.	.20 - —
powd., 350 lbs., bbls.	lb.	.19 Nom.
100-lb. kgs.	lb.	.21 - —
tech., dom., bgs., basis 90%, K_2SO_4, ex-vessel, ports.	ton.	No prices
bulk, same basis.	ton.	No prices
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports.	ton.	No prices
Xanthate, dms., c.l.	lb.	.13 - —
l.c.l.	lb.	.13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt.	ton.	No prices
Potash-soda ferricyanide, dms., works	lb.	.36 - .39
Potash titanium oxalate, 350-lb. bbls.	lb.	.40 - —
100-lb. dms.	lb.	.40 - —
Prickly ash bark, bls.	lb.	.12 - .13
Berries, bgs.	lb.	.28 - .30
Prince's pine herb, bls.	lb.	.22 - .23
Propane, tanks, Group 3	gal.	.03¾- .04
Psyllium seed (see Fleaseed).		
Pulsatilla, bls.	lb.	.75 - .80
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works	lb.	No prices
less than 3, works	lb.	No prices
F and 1, bbls., 3 or over, works	lb.	No prices
less than 3, works	lb.	No prices
O, O-½, O-¾, and ½, bbls., 3 or over, works	lb.	No prices
less than 3, works	lb.	No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y.	ton.	No prices
l.c.l., 5-29 tons, ex whse.	ton.	No prices
1,000-10,000 lbs., ex whse.	ton.	No prices
2 bgs. to 1,000 lbs., ex whse.	ton.	No prices
single bgs., ex whse.	ton.	No prices
Pumpkin seed, bgs.	lb.	.10 - .11
Purple lake (see Red).		
Putty, com'l, dms.	100 lbs.	3.15 - —
linseed oil, raw, dms.	100 lbs.	5.00 - —
refined, dms.	100 lbs.	5.50 - —
standard, dms.	100 lbs.	4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless.	gal.	4.95 - —
Pyrethrum (30 to 1), 3.6% pyrethrin, 55-gal. dms. (incl.), frt. alld., or dlvd., on 15 gals. or more, standard brand, colorless.	gal.	7.35 - —
Pyrethrum flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over.	lb.	.23 - .24
fine powd. Japan, bbls., ton lots, frt., alld.	lb.	.25 - .26
Pyridin, denaturing, dms.	gal.	1.71 - —
refd., 2°, dms.	lb.	.51 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports.	unit-ton.	.12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins.	lb.	2.15 - 2.40
resublimed, fib. dms., tins.	lb.	4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines.	ton.	9.00 - —
325 mesh, same basis.	ton.	12.00 - —
No. 3, 200 mesh, c.l., mines.	ton.	7.50 - —
325 mesh, same basis.	ton.	12.00 - —
Pyroxylin scrap, amber, cs., works.	lb.	.12 - —
black, cs., works.	lb.	.10 - —
china white, ivory, cs., works,	lb.	.13 - —
dense, white, cs., works.	lb.	.10 - —
gray, cs., works.	lb.	.08 - —
mixed, mottles, opaque, cs., works.	lb.	.04 - —
translucent pastels, cs., works.	lb.	.10 - —
transparent, cs., works.	lb.	.20 - —
colors, cs., works.	lb.	.12 - —
shavings, amber, cs., works.	lb.	.16 - —
colors, mixed, cs., works.	lb.	.10 - —
white, cs., works.	lb.	.15 - —

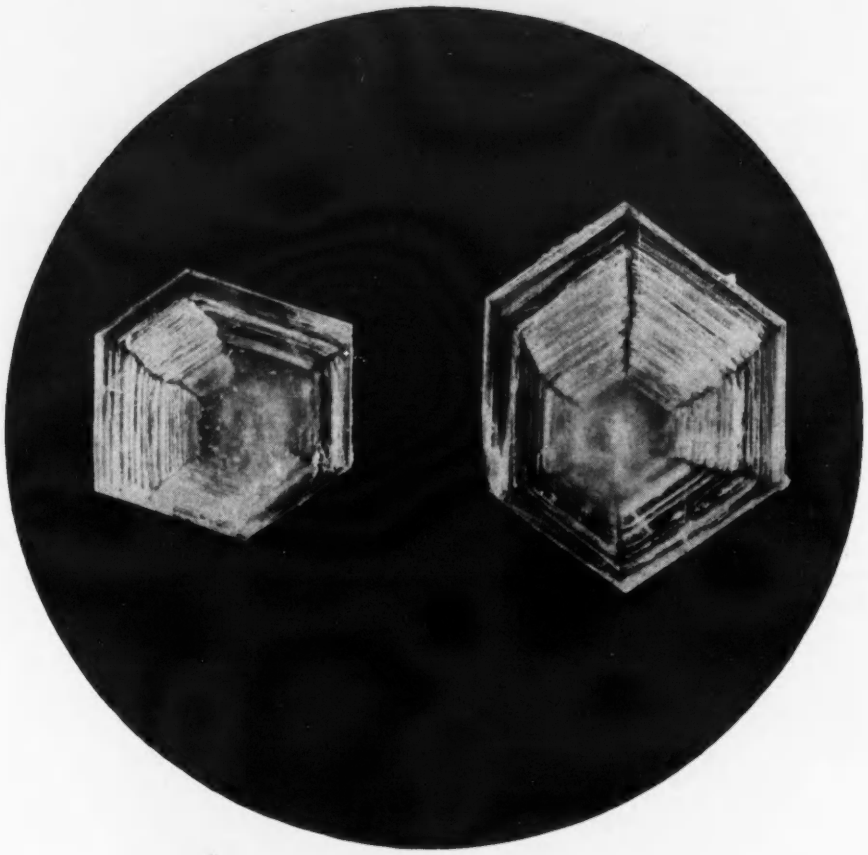
Q

Quassia chips, bls.	lb.	.05 - .06
Quebracho extract, liquid, 35% tan, bbls., works.	lb.	.04 - —
tanks, works.	lb.	.03½- —
solid, 63%, bgs., c.l., ex dock, plus duty.	lb.	.04½- —
clarified, 64%, bgs., c.l., same basis.	lb.	.04¾- —
Queen of the meadow leaves, bgs.	lb.	.07½- .08
Root, bgs.	lb.	.10 - .11
Quercitron, extract, liquid, 51°, bbls.	lb.	.08½- .09½
solid, dms.	lb.	.11 - .16½
Quicksilver, dom., flasks, (76 lbs. net, dlvd., N.Y.	flask.	180.00 -182.00
European, flasks (76 lbs. net), c.l.f., N. Y., incl. war risk insurance.	flask.	207.00 - —
ex store.	flask.	209.00 - —
Quince seed, bgs.	lb.	1.10 - 1.15
Quinidine, N.F.V., cryst., cns.	oz.	1.06 - —
powd., precip., cns.	oz.	1.01 - —
Sulphate, cns.	oz.	.71 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.		
Quinine, 100 ozs., cns.	oz.	.84 - —
Acetate, cns.	oz.	1.05 - —
Arsenate, cns.	oz.	1.05 - —
Arsenite, cns.	oz.	1.07 - —
Bisulphate, cns.	oz.	.60 - —
Citrate, cns.	oz.	.78 - —
Dihydrobromide, bots.	oz.	.82 - —
Dihydrochloride, bots.	oz.	.82 - —
Ethylcarbonate, cns.	oz.	.85 - —
Ferrocyanide, cns.	oz.	1.07 - —
Formate, cns.	oz.	1.00 - —
Glycerophosphate, cns.	oz.	1.20 - —
Hydrochloride, cns.	oz.	.76 - —
Hydrochlorosulphate, cns.	oz.	.81 - —
Hydroiodide, cns.	oz.	1.05 - —
Hypophosphite, cns.	oz.	1.07 - —
Phosphate, cns.	oz.	.90 - —
Salicylate, cns.	oz.	.79 - —
Sulphate, USP, XI, cns.	oz.	.67 - —
Sulphocarbonate, cns.	oz.	1.05 - —
Tannate, cns.	oz.	.63 - —
Tartrate, cns.	oz.	1.03 - —
Valerate, cns.	oz.	.99 - —

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.	oz.	.81 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.



Microphotograph shows crystals of Thiourea, now being produced by Cyanamid in commercial quantities.

Announcing a domestic source of Thiourea

It is with gratification that Cyanamid announces to consumers of Thiourea the domestic production of this important chemical.

Through large scale manufacture here, Cyanamid supplements its foreign sources of supply, thus assuring an adequate capacity for present as well as future uses which are so rapidly developing.

Thiourea of Cyanamid's manufacture equals or exceeds in every respect the imported product, both as to purity and other desired properties.

Please feel free to request samples and other information on this new addition to Cyanamid's long list of essential chemicals...Thiourea, produced commercially for the first time in this country.

AMERICAN CYANAMID
& CHEMICAL CORPORATION
30 ROCKEFELLER PLAZA • NEW YORK, N. Y.
A Unit of American Cyanamid Company

R Salt—Shellac

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .05½ Nom.
Dutch, black, bgs.....lb. .12 - .13
Japanese, bags.....lb. .10½- .11
Raspberries, dried, bis.....lb. .65 - .67
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
Red, cadmium, lithopone light shade, kgs., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works, lb. 2.70 - —
light, works.....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Red, Indian, pure, bbls., f.o.b., Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls, lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08½- —
80% copperas oxide, bbls., same basis..lb. .07½- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Red, phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .04½- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls, works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 3.27 - 3.32
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib., dms., 50 lbs. or more..lb. 3.36 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lb., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.50 -10.00
Rhubarb, bots.....lb. .53 - .55
powd., bbls., kgs.....lb. .55 - .60
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .25¾- —
smaller lots.....lb. .26¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .24¾- —
smaller lots.....lb. .25¼- —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 3.00
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb .09 - .10
Rosin, gum, B, bbls, ex dock 100 lbs. 1.85 - —
D, bbls.....100 lbs. 1.91 - —
E, bbls.....100 lbs. 2.19 - —
F, bbls.....100 lbs. 2.17 - —
G, bbls.....100 lbs. 2.17 - —
H, bbls.....100 lbs. 2.17 - —
I, bbls.....100 lbs. 2.17 - —
K, bbls.....100 lbs. 2.17 - —
M, bbls.....100 lbs. 2.18 - —
N, bbls.....100 lbs. 2.31 - —
W. G., bbls.....100 lbs. 2.67 - —
W. W., bbls.....100 lbs. 3.00 - —
X, bbls.....100 lbs. 3.00 - —
wood, F.F., spot, bbls...100 lbs. 1.55 - 2.15
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

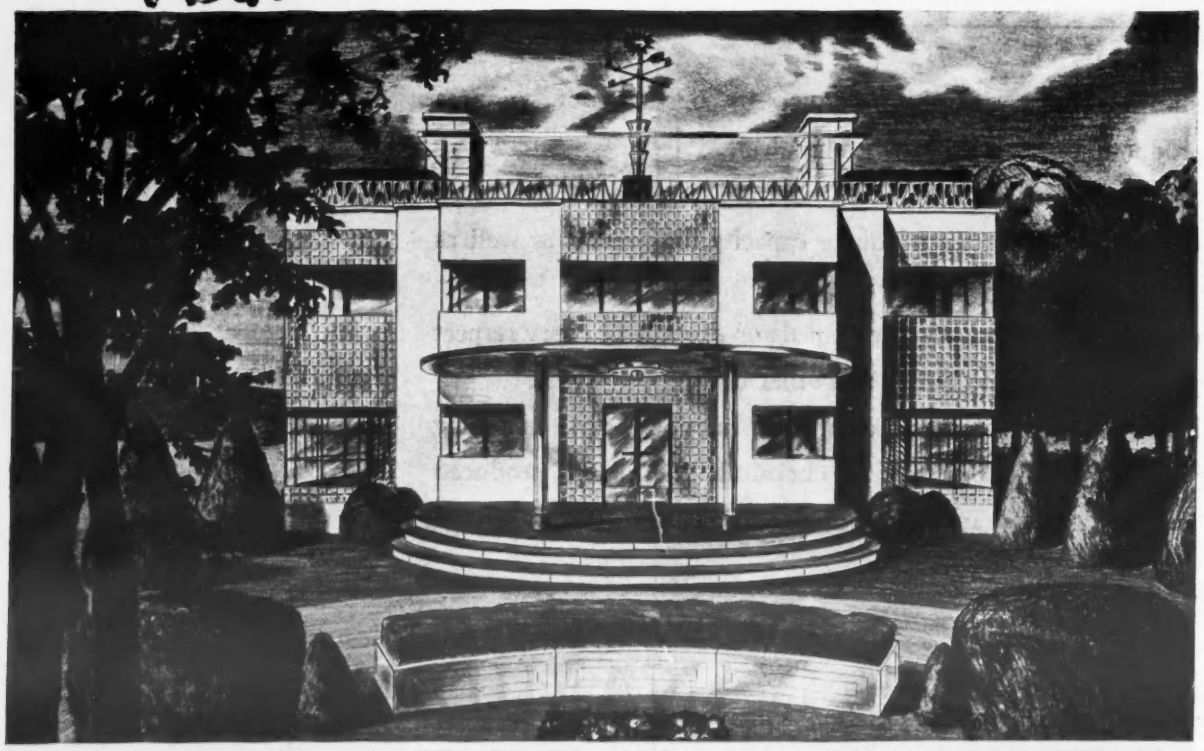
Sabadilla seed, powd., bbls....lb. .22 - .28
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.24.00 -25.00
Safrol, cns.....lb. 1.05 - 1.10
dms.....lb. 1.00 - 1.05
Sage, Dalmatian, stemless....lb. No stocks
garden, bls.....lb. No stocks
Sago flour, bgs.....lb. .03½- .04
Salicin, bots., 5 lbs.....lb. 7.04 -
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y...ton.13.20 -13.80
l.c.l., bgs., dlvd., N.Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.15.70 - —
l.c.l., dlvd., N.Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works. ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons, 100 lbs. 7.10 - —
1-9 tons.....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo.145.00 -150.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .30 - .31
Mexican, bls.....lb. .12½- .13
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bales.....lb. .39 - .40
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt..lb. .20½- —
smaller lots.....lb. .20⅝- .23⅝
kegs, 5,000 lbs., 1 shipm't..lb. .20⅝- —
smaller lots.....lb. .21⅛- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lbs. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .65 - .70
Senna leaves, Alexandria, half leaf, bls..lb. .16 - .17
siftings, bgs.....lb. .16 - .17
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .65 - .70
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .25 - .26
dlvd., Boston.....lb. .25½- .26¼
Chicago.....lb. .25¾- .26¾
Pacific Coast.....lb. .28 - .29
rfd., bbls., f.o.b. N.Y....lb. .31 - .32
dlvd., Boston.....lb. .31½- .32½
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
Garnet, bgs.....lb. .19½- .20
Shellac, orange, D.C., VSO., Diamond I, cases..lb. .25½- —
Superfine, bgs., f.o.b. Bost., N. Y..lb. .14½- —
dlvd., Chicago.....lb. .15 - .15⅛
Pacific Coast.....lb. .17½- .18

"WHAT! GLASS HOUSES?"

Suppose some one who lived forty or fifty years ago—say one of the founders of Mathieson—could pay us a visit today. And suppose we could have the pleasure of showing him the sights of 1940, of explaining the vast changes that have taken place since the turn of the century. What do you think would amaze the old gentleman most? If he were one of the pioneers who founded Mathieson, we believe he would be most interested in the revolutionary changes wrought by chemical progress and in the part his successors have played in building the present-day America. We would go about telling him the story as we tell it in this series of advertisements.

● Yes, Mr. M., nowadays we have houses in which glass plays a large part both in construction and decoration. Glass brick represents only one of the new ways in which the modern world utilizes glass. We use glass insulation in our homes, too. Modern decorators are producing beautiful interiors through the use of glass in decoration. Safety glass is a modern idea; our automobiles ("horseless carriages" to you, old friend) are now equipped with this cleverly constructed, shatterproof glass. The manufacture of plate glass, the last word in modernity in your day, has undergone great changes, together with window glass and glass containers of every description. And last but not least, beautiful fabrics made from spun glass are now available for a variety of purposes.

Your successors at Mathieson are proud of their part in the growth of the great modern glass industry. They have continued to pioneer, seeking improvements in the production and distribution of Mathieson Chemicals — products whose purity and uniformity are so highly valued by leading glassmakers and other important consumers of industrial chemicals.



MATHIESON CHEMICALS

SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS . . . ANALYTICAL SODIUM CHLORITE

THE MATHIESON ALKALI WORKS (INC.)
60 E. 42ND STREET, NEW YORK, N. Y.

Shellac, T.N., bgs., f.o.b. Bost., N.Y..lb. .14 - .14½
dlvd., Chicago.....lb. .14½- .15
Pacific Coast.....lb. .17 - .17½
Varnish, Metro, area, orange, 5-lb. cut, bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....gal. 1.05 - 1.10
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
wet-grd., 95-97%, 400 mesh, bgs., c.l., works..ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works..ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works, ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .26½- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .20 - .22
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .17 - .18
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .20 - .21
Soda, acetate, anhyd., dms., dlvd. lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¼- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

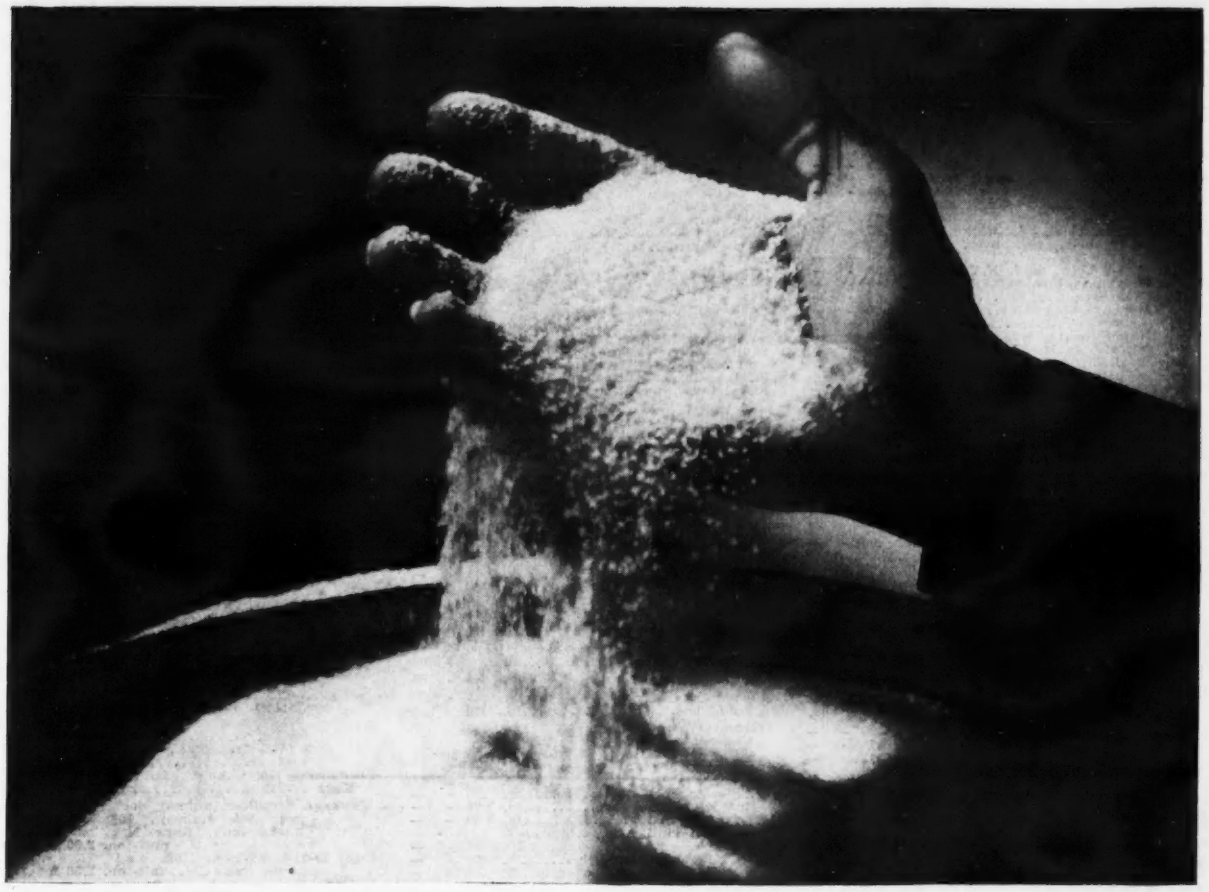
Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07⅛- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —

Soda, bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Shellac—Soda Fluoride

Soda, chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot., c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —



A HANDFUL OF CLEANLINESS!

OUTSTANDING among the more modern detergents General Chemical Company manufactures for soap and detergent makers, is Sodium Metasilicate. As a cleansing compound it offers these important advantages:

1. UNUSUALLY EFFECTIVE "WETTING" AGENT . . . More than most cleansing agents, Sodium Metasilicate has the ability to break down the surface tension of water. This promotes and speeds the cleansing process by enabling the cleansing solution to get "under" grease and dirt.

2. A HIGH pH . . . A "BUFFERED" CLEANSER . . . Alkalinity is recognized as one measurement of a cleanser's effectiveness. Not only has Metasilicate an extremely "high pH" for effective cleansing, but in addition, it has an inherent "buffering" action which permits additional reserves of alkali to be released as equivalent amounts are used in the cleansing process. Metasilicate, therefore, tends to prevent unnecessary causticity of the cleansing solution—yet aids in maintaining necessary alkalinity over long periods of time.

3. BACTERICIDAL PROPERTIES . . . Sodium Metasilicate not only exerts a definite bactericidal action, but being an excellent emulsifier, it also removes the dirt in which bacteria breed.

4. SUSPENDS DIRT . . . REMOVES SCALE . . . One of the highly desirable characteristics of Sodium Metasilicate is its ability to hold dirt in suspension once this dirt is picked up. This facilitates rinsing and insures maximum cleansing. In machine washers, Metasilicate tends to loosen and remove scale so that it is readily washed away.

5. SOFTENS WATER . . . Where water has not been previously softened, Sodium Metasilicate, by precipitating calcium and magnesium salts, and by converting bicarbonates into carbonates, softens hard waters.

6. ECONOMICAL . . . Used with soaps, Sodium Metasilicate builds up their penetrating and emulsifying powers, enables them to carry more dirt in solution and improves their overall efficiency.

Sodium Metasilicate is but one of the many detergents made by General Chemical Company.

• • •

Tetrasodium Pyrophosphate, Trisodium Phosphate and Porofos* are also on General's long list of chemicals for the soap and other industries. It will be worth your while to investigate not only these and other General Chemical products but also the broad service facilities available to all users of General Chemical products. Send this coupon today!

*Reg. U. S. Pat. Off.

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I am interested in the following General Chemical products:
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Company.....
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City..... State..... OP-940

Soda Fluoride—Triphenyl Phos.

Soda, fluoride, 95%, bbls., l.c.l., 10 or over, same basis....lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.53 - 2.57
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, Sept., rail or boat shipment..ton. 29.00 - —
200-lb. bgs., same basis...ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.... 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, flake, dms.. c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
bgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Soda, silicofluoride, dom., bbls.lb. No prices
import, bbls.....lb. .08½ Nom.
Stannate, dms.....lb. .32½- .35½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
cryst., bgs., 100 lbs., works, lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
Sulphite, powd., bbls., c.l., 100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms...lb. .27 - .31
Sulphocyanide, dms., cns.....lb. .28 - .47
Sulphhydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .12 - —
l.c.l., works.....lb. .12¼- .15
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .18 - .20
Spruce extract, reg., bbls., c.l., works..lb. .01⅝- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01⅞- —
tanks, works.....lb. .01⅝- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, white, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .43 - .46
St. John's Bread, edible, bls., lb. .12 - .13
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.95 - —
dlvd., N. Y.....100 lbs. 3.30 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.05 - —
dlvd., N. Y.....100 lbs. 3.40 - —
Potato, dom., bgs.....lb. .06 - .07
import, bgs.....lb. No price
Starch, rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¾- —
bbls. .....lb. .07 - —
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .32 - .33
Stearin, oleo, bbls.....lb. .05½ Nom.
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .25 - .30
Seed, bgs.....lb. .30 - .35
Strontium bromide, dms.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. No prices
Chloride, tech., bbls.....lb. .20 - —
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works.....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., wks., 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works..100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
Sulphur, refined, heavy, bgs., c.l., works..100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.65 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works.....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, f.o.b. Balto..unit-ton. .68 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival.ton. No prices
Tallow, animal, edible.....lb. .04¾ Nom.
extra, loose.....lb. .03¾- —
special, loose.....lb. .03¾- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (43% fat), dms., c.l., lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
Kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y. unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
high-grade, bulk, Chicago, unit-ton. 2.75 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Sept. shipt. 2.60 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .65 - .70
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. 34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. 34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs..... ....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachlorethane, dms., wks lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms. .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .31 - .31½
Spanish, bls.....lb. .20 - .21
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns, 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Thiamine hydrochloride, cns..... gram. 1.40 - 1.55
Tin chloride (ous), anhyd.. ...lb. .47 - .47½
Crystals, bbls., kgs.... .....lb. .38 - .38½
Metal, Straits.....lb. .5005- —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .24½- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .13¾- —
1,000-9,999 lbs., E. frt. pd. lb. .13¼- —
Pac. Cst., ex whse....lb. .13½- —
50-999 lbs., E. frt. pd...lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse....lb. .16 - —
bbls., c.l. (20 tons), frt. pd.lb. .13¼- —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .13¾- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l., (20 tons), frt. pd...lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15¼- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse...lb. .15¾- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs. E. frt. pd.lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-niding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd. lb. .14¼- —
50-999 lb., frt. pd.....lb. .14¾- —
bbls., c.l. (20 tons), frt. pd..lb. .14¼- —
l.c.l., 5 tons, E., frt. pd. lb. .14½- —
Pac. Cst., ex whse. lb. .14¼- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse. lb. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse. lb. .15 - —
barium or magnesium base, bgs., c.l., D. frt. alld..lb. .03¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. 05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06¾- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
Tolidin base, distilled, kgs.....lb. .96 - —
Tolu, balsam, cns.....lb. 1.35 - 1.40
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F. bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Tributyl citrate, ton lots, 475 lbs. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40¼- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .46 - —
Triethyleneglycol, dms., l.c.l., works..lb. .20 - —
Trimethyl phosphate, cns.....lb. .54 - .60
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —

Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90% dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs...lb. .07½- .08
Madras, bgs.....lb. .07¾- .08¼
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .37 - —
l.c.l., 10 ex dock.....gal. .39 - —
5 ex dock.....gal. .41 - —
wood dest., dist., dms., c.l., dlvd. E. ports..gal. .26 - —
l.c.l. .....gal. .28 - —
tanks, dlvd. E. cities..gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .31 - —
l.c.l., dlvd.....gal. .34 - —
tanks, dlvd.....gal. .26 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - 2.90
yellow, kgs.....lb. 1.75 - 2.00
Urea, dom., 45% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
Import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton. No price
46% N., bgs., smaller lots, f.o.b. N. Y. from whse. ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports. ton.121.58 ——
basis 37% N (insoluble). f.o.b. Belle, W. Va., or Atl., Gulf ports.....ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .80 - .85
Valonia, beards, bgs., f.a.s...ton.56.00 - —
cups, bgs., f.a.s.....ton.42.00 -44.00
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins...lb. 7.25 - 7.75
Mexican, tins.....lb. 7.50 - 8.00
cuts, tins.....lb. 7.25 - 7.50
South American, tins.....lb. 7.25 - 7.50
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .75 - .80
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -39.50
Extract, solid, bgs.....lb. .03½- —
Wax, bayberry, import, bgs...lb. .22 - .23
Bees, white, bleach, slabs, cs., 1 to 5 case lots..lb. .35 - —
cakes, 1 to 5 cs. lots...lb. .36 - —
discs, 1 to 5 cs. lots...lb. .37 - —
yellow, crude, Africa, 10-bg. lots..lb. .24½- .25
1 bg.....lb. .25 - .25½
Brazil, bgs, 5-ton lots..lb. .25½- .26
1 ton.....lb. .26 - .26¼
500 lbs.....lb. .26½- .27
100 lbs.....lb. .27 - .27¼
refd., slabs, cs., lbs.....lb. .29 - .31
Candelilla, bgs, 1 ton.....lb. .18½- .19
jobbing lots.....lb. .19 - .19½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .57 - .58
5 bgs.....lb. .58½- .59½
1 bg.....lb. .58 - .59
N. C., 2 bgs., 1 ton.....lb. .61 - .62
N. C., 3 bgs., 1 ton.....lb. .58 - .59
5 bgs.....lb. .58½- .59½
1 bg.....lb. .59 - .60
refined, bgs.....lb. .62 - .63
yellow, No. 1, bgs., 1 ton..lb. .72 - .73
5 bgs.....lb. .72½- .73½
1 bg.....lb. .73 - .74
No. 2, bgs.....lb. .71 - .72
Ceresin, dom., 138°, 140° m.p., bgs., 1ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton..lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
Japan, cs.....lb. .15 - .15½
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24

White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.74 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
limestone, air floated, 99.75%, 250 mesh, paper bags, c.l., ton. 9.65 - —
Whiting, limestone, air floated, 99.75%, 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works, ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra, c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .06 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .43
leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).

Tripoli—Xylidin

Woodfleur, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, ugs., ex dock, ton. No prices
80 mesh, bgs., ex dock....ton. No prices
100 mesh, bgs., ex dock...ton. No prices
120 mesh, bgs., ex dock...ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .23 - .25

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works.gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works.gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld. gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

—*Continued on page* 38

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Vol. 138 September 16, 1940 Number 12

Finance or Subsidy

The fact that so many things have only a relative value accounts for the economic dissension over whether overproduction or underconsumption is the major ailment of business. It also has a pertinent application to the theory that the chief obstacle to the development of small businesses is their lack of venture capital.

Although quite reliable statistics of business mortalities indicate that a majority succumb to insufficient financial nourishment, it cannot be specifically determined whether that is the fundamental or the immediate cause of death. In most instances there is an underlying cause of the underfundedness which brings in the sheriff. Very often that cause is ambition in excess of ability.

So, this idea of setting up a system of governmental guaranties of loans to small businesses is a matter that experts should examine impartially and determine without regard for that growingly popular belief that private enterprise should be afforded every opportunity to be free—with other peoples' money.

It is not lack of free opportunity which handicaps small businesses. It is not free financial backing that will help them toward success — and all this talk about greater efficiency means almost nothing in the matter. There is too much freedom in competition now. The little fellow has no room in which to grow big. The able fellow will not stay little; for when he needs ready money he can get it from people who know him.

The ordinary channels of credit have not been clogged by externally originating debris; nor have the sources of capital for little business or for big been dried up by some outsider's "turning on the heat". The trouble that some businesses, big or little, report in relation to their financial desires arises from the fact that those who have money still remember the lesson of the late 'twenties about making big ones out of little ones. They have voluntarily shut off those who offer no tangible evidence of ability or intention to pay their way.

Sales Program Objectives

Sales meetings are in season on many lines of manufactures as the big push for the final quarter is prepared for. Sales meetings are a solid institution, and like everything else that is solid, physically or in principle, their usefulness depends on the manner in which they are employed, on the intelligence with which they are directed toward an objective which in itself has been selected on the basis of its being something more then a determination to surpass all previous records.

The ambition to grow from year to year is a commendable one. But, a business, like a man, can increase its girth and its volume with patently and inevitably unfortunate results. Ambitiously determined sales quotas have done much to diminish profits and to add to that much condemned and somewhat maligned excess cost of distribution.

The difference between a sound and solid sales program and one that is only solid is whether it creates consumption or merely makes sales. The same distinction is applicable to advertising and to all other aspects of distributive functioning; although in the final analysis this service is performed by the goods, because if they do not satisfy in the respectively appropriate manner all to whom they are sold—wholesaler, retailer, consumer—sales charts will show a wide divergence between peaks and hollows, and sales costs will be surprisingly high. There is more profit and less work in a sales program that looks chiefly to how it is to be carried on, rather than what it is to carry. "Better than our previous best" is a good slogan—if the "better" is a qualitative term, not solely a quantitative one.

Sales meetings of the "pep" type have been outmoded to a considerable extent. They were recognized eventually as far too stimulative of trouble between the sales department and the credit office. They were a part of the passing era of profitless volume, and they are still to be found where that policy remains in vogue. Instruction has been found far more useful than enthusiasm or artificially aroused rivalry as a stimulant of satisfactory selling, even though it is more productive of certain sorts of grim determination than is good for the salesman's chances of making good. Substituting instruction for stimulation is not of itself an improvement in sales meeting technic. Its value depends on whether it is directed to the goal or merely to the route of greatest promise.

—O-P-D—

The Function of Distribution

Whatever be the fault—whether it be the restraint alleged in the antitrust law activities of the Department of Justice or the often-blamed overexpansion of competition—it must be admitted by all economic observers that the future progress of American business now depends and will depend more and more extensively and intensively on the finding of a means of making distribution more efficient in its service of the consumer. There is nowhere as yet any encouraging evidence that the problem thus presented is so understood that its gratifying solution may be expected. There are conceptible and even perceptible reasons why any solution along the lines of current approach would not be desirable from any point of view.

It cannot be denied that distribution is not permitted full freedom of function. It cannot be denied that in many instances its approach to such an ideal condition has created a new problem in the diminishing of the earning aggregate of a community because no one has been ready to offer a practicable means of applying within a given area the theory that what is subtracted from the consumer cost of one commodity or one line of commodities eventually is added to the consumer spending in another line. Such endeavors always leave the question of finding another means of supporting those who are deprived of a greater or less part of their earnings by reductions enforced in the cost of their economic functioning. The technologic cycle does not work automatically.

It is a simple and a pleasing thing to argue that distribution costs too much; that the consumer pays through the nose for a large part of even his necessary purchases. It is difficult to question the justice of that charge if it be viewed in a bald economic sense which conceives the elimination of the greater part of human labor by mechnical replacement or other means as the goal of efficiency. Like most all other matters of economic importance this problem straddles two opposing theories. In this instance they are whether the prime purpose of distribution is to serve the consumer at the lowest gross cost or to provide such a measure of livelihood for consumers that the net cost is lower than it would be under any other system.

Many sorts of improvers are at work on their various ideas of making distribution more efficient. Most of these ideas would reduce consumption because what might be saved for one group of consumers would be overweighed by what would be lost to another group. And the threat of an entirely new scheme of distribution in world trade emphasizes the point that the human factor not that of operating profit is fundamental, because the new scheme would be almost without operating profit in the current sense of the term.

How much progress toward a better system of distribution has been made by the series of annual conferences during the past decade and more cannot be measured. The conflicting theorists can argue long that there has been none or conversely that there have been important gains. The conference will meet again in Boston early next month. It will present a wealth of ideas and suggestions. For that reason it should attract an attendance larger than ever—it is open to all who are interested.

—O-P-D—

Personnel Draft Problem

Although it may be of minor proportions in relation to what is done to business by direct conscription, the effect of the drafting of individuals for some sort and period of training poses a problem for personnel directors. They are puzzled whether to hire or develop men of draft ages or to do everything possible to fill key positions with older men and to give lesser places to employees of premajority age.

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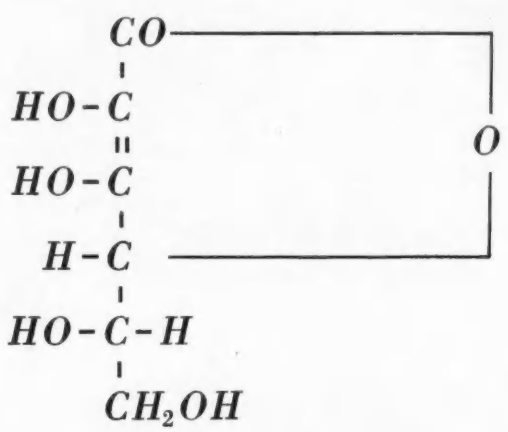

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Manufacturing Chemists

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A.C.S. Papers

Determination of Potash

C. W. Hughes and O. W. Ford

Purdue University Agricultural Experiment Station

Results of the analysis of potash determinations made by the official method for potash in fertilizers, 43 (b), of the Methods of Analysis, A.O. A.C., fourth edition, 1935, indicate that the temperature of the acid alcohol and wash alcohol has an appreciable effect upon the solubility of K_2PtCl_6. In addition, a greater solvent action is encountered when the acid and alcohol are added to the K_2PtCl_6 separately than when they are added as a previously mixed solution. The determinations were made at 18° and 38°C.

Nitroparaffins in Rubber Compounding

Arthur William Campbell

Commercial Solvents Corporation

When rubber latexes containing a small amount of zinc ions are treated with a nitroparaffin, a halonitroparaffin, or hydroxynitroparaffin, and heated, a rapid gelling results. Many nitroparaffins and derivatives recently made commercially available have been tested. Apparently all nitroparaffins and their derivatives in which the nitro group is unchanged are heat sensitizers.

Nitroethane and 2-nitro-2-methyl-1-propanol are the preferred examples. Latexes sensitized with either of these agents are potentially very useful in later technology, such as dipped goods, molded goods, and foams. The use of these heat sensitizing agents is not limited to rubber latexes, but may be used in neoprene latex, crude rubber, and reclaimed rubber dispersions. Nitroethane is fugitive, being readily volatile, while 2-nitro-2-methyl-1-propanol is very water-soluble and thus readily washed out of the rubber composition. Moreover, neither is harmful to rubber. Latexes sensitized with 2-nitro-2-methyl-1-propanol have the unique and valuable property of enduring long periods of storage at room temperature without gelling, but retaining the ability to gel when heated.

Du Pont Sets New Prices For H_2O_2 and Soda Peroxide

Effective October 1, E. I. du Pont de-Nemours & Co., Wilmington, will quote the following schedule of prices on hydrogen peroxide and soda peroxide:—

Hydrogen peroxide, 100 volume, in glass carboys of 120 pounds each, or aluminum drums of 250 pounds each, one to three carboys or one drum, 18½c. per pound; four carboys or two drums (or more, up to 5,000 pounds), 16½c. per pound; 5,000 pounds or more (carboys or drums), 16c. per pound. Prices will be f.o.b.: Niagara Falls, N. Y., or warehouse, freight paid East of the Mississippi river or West coast ports via Panama Canal. Terms will be thirty days net. Carboys and drums charged extra but returnable freight collect.

Soda peroxide, in steel pails of 75 pounds each or steel drums of 400 pounds each, both non-returnable, one to four pails, 17c. per pound; five pails or one drum (or more, up to 5,000 pounds), 15c. per pound; 5,000 pounds or more (pails or drums), 14½c. per pound. Prices will be f.o.b. Niagara Falls, N. Y., or warehouse, freight paid East of the Mississippi river. Terms will be thirty days net.

U.S. to Purchase Tin From Dutch East Indies

OPD Washington Bureau
September 6, 1940

A trade agreement under which the United States will purchase tin from the Dutch East Indies at a "reasonable" price was reported here today. No announcement of the amount of tin involved was made, but it was indicated the deal would make it possible for East Indian mines to operate "at full capacity for a long time". Meanwhile, Defense Commission officials today expected an early decision, perhaps in three weeks, on establishment of a tin smelter in the United States to free this country from complete dependence on Far Eastern tin supplies.

time to dispose of their present stocks of "Exton" labelled toilet brushes.

G.L. Cunningham Joins Columbia Alkali Corp.

—Continued from page 4

been research chemist at Mathieson Alkali Works, Inc., Niagara Falls. He was born in Spartanburg, S. C., August 3, 1905, and received his A.B. degree at the University of South Carolina in 1927 and his Ph.D. degree from the University of Virginia in 1930. Prior to 1930 he served as laboratory assistant at the University of South Carolina and taught chemistry at the University of Virginia.

Mr. Daley is a native of Wisconsin. Previously he has been associated with the Colgate-Palmolive-Peet Company and A. C. Drury & Co., each for a period of nine years.

M. E. Lombardi has retired as vice-president of the Standard Oil Company of California.

Fisher Joins Millmaster Co. As Special Products Head

J. Robert Fisher has joined the Millmaster Chemical Company, this city, as sales manager of special products, according to Robert J. Milano, general sales manager for the company.

J. Robert Fisher

Mr. Fisher, who matriculated at St. John's University and Brooklyn Polytechnical Institute, was for eleven years associated with the National Aniline & Chemical Company. The Millmaster company handles a wide line of industrial and fine chemicals as a manufacturer's agent, importer and exporter.

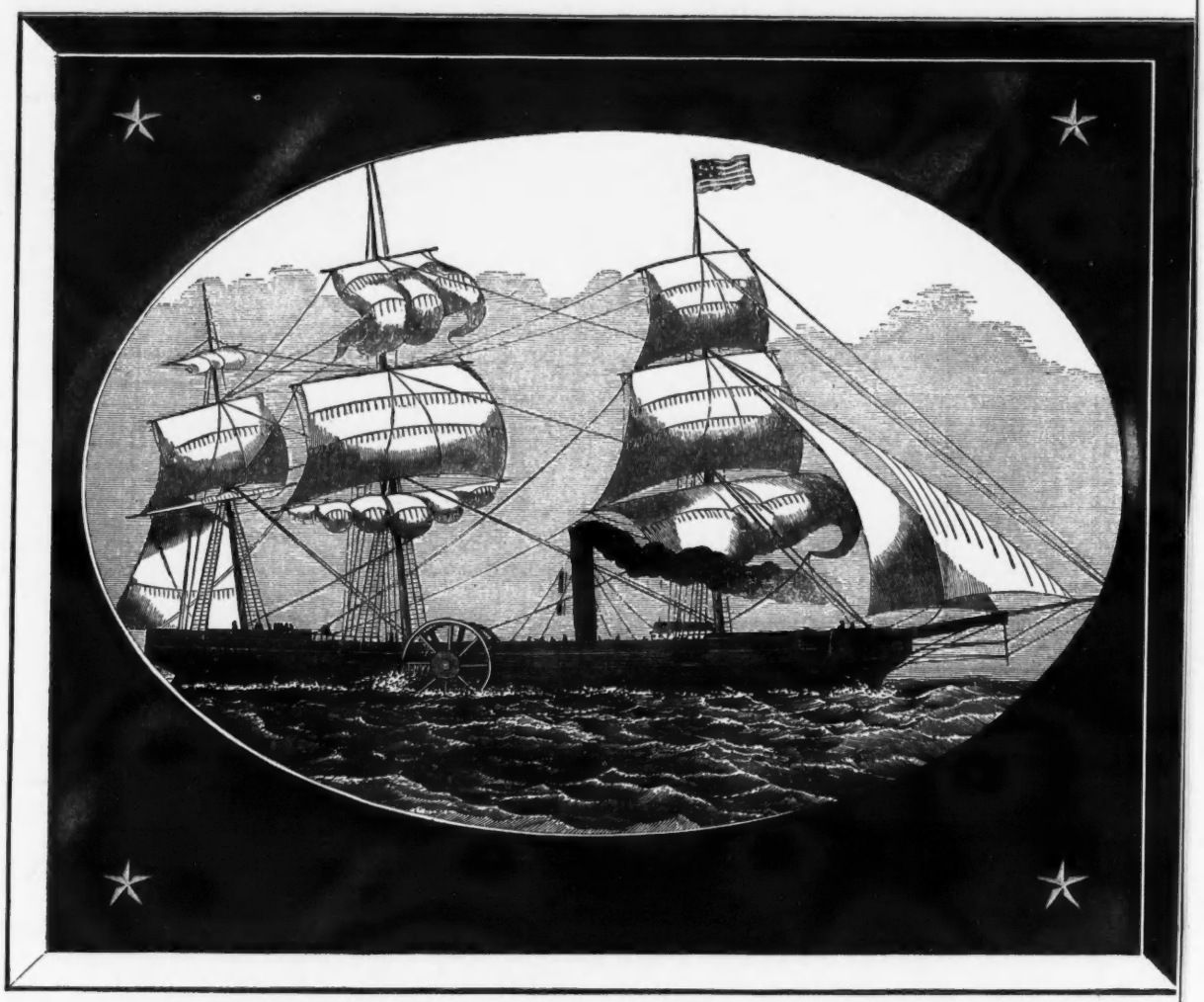
Trade Briefs

R. & H. chemical department of E. I. duPont de Nemours & Co. plans to build a $95,000 laboratory at its plant in Niagara Falls. The building will be three stories high, 60 feet wide and 126 feet long.

Gaylord Container Corporation, this city, directorate has authorized the borrowing of $5,000,000 from banks with which to finance contemplated improvements and additions to the plant at Bogalusa, La.

Chemical Sales & Service Company has moved to larger quarters at 45-61 Fremont street, Worcester, Mass. The new location provides increased office space and 40,000 square feet for storage.

Chicago Drug & Chemical Association will hold its first Fall luncheon meeting September 26 at the Morrison Hotel. Speaker will be De Loss Walker, associate editor of *Liberty Magazine*.



They Started Something!

THE FIRST crossing of the Atlantic by a steamship revolutionized the future course of industry and commerce. When the Savannah completed her voyage in 1819, ocean shipping was freed from its dependence on variable winds. The steamship, only a few years earlier regarded as an impractical toy, proved its value as a new tool of commerce. With the shortening of the time needed for transatlantic crossings and the establishment of regular, dependable shipping schedules, new markets were opened for the products of agriculture and industry. And new raw materials became available to stimulate industrial growth.

Equally striking advances in industrial development have been made possible by the efforts of American scientists and engineers who have opened new domestic sources of raw materials needed by industry. When EBG engineers first made Liquid Chlorine commercially available in America, they too began a new era, not only in industry but in public health as well. Municipalities found in EBG Liquid Chlorine a new and remarkably effective means of purifying water supplies to prevent the spread of water-borne diseases. Today they are using it also in constantly increasing quantities to sterilize sewage and t reduce stream and river pollutio with all its attendant evils. And i the paper and textile industrie EBG Liquid Chlorine has mad possible new standards of bleach ing efficiency. EBG engineers wer the pioneers in the domestic pr duction of Liquid Chlorine. You ca profit by their extra years of exper ence in manufacturing and servicin

The first cylinder of Liquid Chlorine made by EBG in 1909.

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Heavy Chemicals

Shipments Remain Steady With Some Seasonal Upturn Noted —Fluorspar Market Highly Competitive and Prices Lower —Copper Carbonate Advanced—Chlorine Demand Good

Shipments of heavy chemicals moved at a steady pace last week. Virtually all basic chemicals were taken against contracts in satisfactory quantities. A seasonal upturn in certain lines was making an appearance, while some indirect benefits from the Defense Program was also a factor. Buying was orderly, and sellers were able to adjust production in accordance with the demand. Export inquiries were fairly active. The position of most chemicals was regarded as favorable. Nothing was disclosed as yet regarding any contract adjustments for the fourth quarter.

Considerable competition developed in the market for fluorspar and prices fluctuated widely. The situation in the West is equally as bad as the East, but some strengthening in the market was anticipated soon. Copper carbonate prices were adjusted to conform with the recent advance in the basic metal and copper chloride also was slightly higher.

Chlorine was in a strong position; shipments moved out to consumers direct from production, and in some instances were actually falling behind. Aqua ammonia met with a good inquiry. Large consumers of sal ammoniac were taking a more active interest in the market. Potash salts, particularly caustic and carbonate, experienced a steady call. Saltcake moved well. Alkalies were moderately active. Acetic, chromic, formic, muriatic, nitric and sulphuric moved steadily.

Alums.—Prices unchanged and firm. Shipments steady. July exports 238,250 pounds, valued at $13,537.

Alumina Hydrate.—Firm price tone, with moderate activity.

Alumina Sulphate. — Withdrawals steady. Prices remain firm. July exports 8,474,785 pounds, valued at $97,468.

Ammonia, Anhydrous.—Satisfactory inquiry. Shipments normal and prices firm. July exports 902,483 pounds, valued at $139,833.

Ammonia, Aqua.—Demand good and market position strong.

Ammonia Bicarbonate. — Business routine, with prices well maintained.

Ammonia Bifluoride. — Withdrawals confined to usual channels for nearby needs.

Ammonia Carbonate.—Steady interest for moderate quantities. Prices unchanged.

Ammonia Nitrate.—Market position strong, with inquiries favorable, and shipments steady.

Ammonia Perchlorate. — Offerings limited to regular accounts for normal needs. Quotations nominal.

Ammonia Persulphate.—Prices fully maintained, and buying conservative.

Ammonia Silicofluoride.—Normal demand reported, with prices firm.

Ammonia Sulphide.—Steady to firm price tone. Shipments moderate.

Ammoniac, Sal.—Business from large consumers steady and market position firm.

Antimony.—Domestic spot metal unchanged, and commitments usually small lots.

Antimony Oxide. — Prices lacked change. Business fairly steady.

Arsenic.—Shipments of white moderate and prices rule firm; stocks of red negligible.

Barium Carbonate.—Demand moderate. Prices without change.

Barium Chlorate. — Stocks limited, with interest routine. Prices range from 25c. to 30c. per pound.

Barium Chloride. — Withdrawals moderately active. No change in the prices.

Barium Dioxide.—Nothing new occurred in the prices, with interest spotty.

Barium Hydrate. — Steady to firm tone prevailed, and takings were routine.

Barium Nitrate. — Prices hold the same, and business steady for moderate quantities.

Bleaching Powder.—Shipments have moved at a moderate pace. Prices unchanged and firm.

Calcium Acetate. — Buying routine. No change disclosed in the prices.

Calcium Carbide. — Fair activity. Prices rule firm. July exports 3,924,452 pounds, valued at $142,834.

Calcium Chloride. — Preparations underway for active winter season, with current shipments experiencing usual marking time period. Prices unchanged. July exports 1,354,981 pounds, valued at $14,572.

Carbon Bisulphide.—Business steady. Prices lacked any changes. July exports 283,260 pounds, valued at $12,545.

Carbon Dioxide.—Quotations rule firm, with demand moderate.

Carbon Tetrachloride.—Withdrawals against contracts satisfactory, and market retained its firmness.

Chlorine.—Demand good, shipments keep pace with production and in some cases are lagging. Prices firm. July exports 598,593 pounds, valued $12,961.

Chloropicrin.—Quotations unchanged and firm, demand moderate.

Cobalt Oxide.—Stocks of imported sufficient to meet normal demands from regular consumers. Prices firm.

Copper.—Custom smelters made two reductions of ⅛c. bringing price to 11¼c. per pound; primary producers still at 11½c. per pound. Domestic sales fair. August copper statistics show a decline of 17,093 tons in refined copper and stocks stood at 188,730 tons.

Copper Carbonate.—Price advanced

Price Changes

Advanced

Copper, carbonate, 4-10c. per lb.
chloride, ¼c. per lb.

Reduced

Copper, electrolytic, ¼c. per lb.
Fluorspar, washed gravel, $1.50 per ton.
No. 2 lump, $1.50 per ton.
Tin, Straits, ⅜c. per lb.
tetrachloride, anhy., ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
151.4	151.4	153.7	148.7

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

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NOTICE!

The Managing Director of an old established financially strong European company with offices in New York is leaving late in October for a five months' trip throughout South America. He is looking for manufactured articles and products, chemicals, and raw materials to sell on commission or his company will act as principals. If you buy South American products he will investigate new sources of supply.

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TARTARIC ACID : LIQUID CHLORINE : SULPHUR
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4/10c. to basis of 16 1/10c. per pound. Shipments steady.

Copper Chloride. — Market ¼c. higher at 16c. per pound. Routine interest.

Copper Sulphate.—Demand continued at favorable levels. No further change in the prices. July exports 4,081,817 pounds.

Copperas.—Conditions displayed no change, shipments steady and stocks limited. Prices unchanged.

Ethyl Chloride.—Dealings routine. Prices rule firm.

Feldspar.—Fair interest. Quotations without alteration.

Fluorspar.—Washed gravel and No. 2 lump $1.50 lower ranging from $18.50 to $19 per ton. Market highly competitive.

Glauber's Salt.—Shipments moved moderately in most directions. Prices remain the same.

Lead Acetate. — Market routine. Prices steady to firm.

Lead Nitrate.—Quotations unchanged and firm, new business fair.

Lime.—Prices unchanged and demand moderately active.

Magnesite.—Market tight, supplies of domestic inadequate in absence of any sizable imports.

Manganese Dioxide. — Firm price tone, with withdrawals steady against contracts.

Molybdenum Metal Powder.—Business steady. Prices hold firm.

Nickel Salts.—Replacement buying satisfactory, with market firm. Prices firm. July exports 1,175,491 pounds.

Phosphorus.—Offerings of red still limited; fair interest for yellow. Prices rule firm.

Potash Carbonate. — Movement steady against contracts. Prices unchanged and firm.

Potash, Caustic.—Buying at good levels. No change disclosed in the prices.

Potash Chlorate.—Position of market little changed, offerings restricted to regular channels.

Potash Permanganate.—Prices retain their firmness, while demand was normal.

Saltcake.—Shipments to paper trade steady. Prices nominal.

Saltpeter.—Fair demand. Quotations steady to firm.

Soda Acetate.—Commitments moderate. Price swithout change.

Soda Ash.—Consumers made satisfactory replacements against contracts. Prices unchanged. July exports 9,098,192 pounds.

Soda Bicarbonate.—Routine buying. Prices firm. July exports 1,820,652 pounds.

Soda, Caustic.—Shipments proceeded at moderate pace in most directions. Prices without change. July exports 22,707,790 pounds.

Soda Chlorate.—Nothing new in the prices, with buying fairly steady.

Soda Cyanide.—Good movement for electroplating and other purposes.

Soda Hydrosulphite.—Prices rule firm, and shipments moderate.

Soda Nitrite.—Inquiries steady, and shipments favorable. Prices firm.

Soda Phosphate.—Business moderately active. Quotations unchanged. July exports 821,448 pounds.

Soda Silicate.—Demand good. Prices unchanged and firm. July exports 1,488,404 pounds.

Soda Silicofluoride.—Normal demand for domestic, with offerings limited to regular channels; stocks of imported small.

Soda Stannate.—Prices about steady and unchanged. Shipments moderate.

Soda Sulphide.—Shipments steady. Prices rule firm.

Soda Sulphite.—Movement against contracts moderately active. No change in the prices.

Strontium Salts.—No new price developments occurred, and trading was on a routine basis.

Sulphur, Refined. — Buying fairly steady from commercial sources. Prices continued firm.

Tin Salts.—Anhydrous tetrachloride of tin declined ¼c. to 24½c. per pound. No change occurred in the other tin derivatives. Straits metal was around 50.05c. per pound.

Zinc Carbonate. — Fair demand. Prices lacked any change.

Zinc Chloride. — Steady interest. Quotations firm.

Zinc Sulphate.—Withdrawals moderate against contracts. Prices without change.

Acids

Shipments were steady in the market for mineral acids last week. With few exceptions, materials were taken against contracts in moderate volume to take care of necessary replacements. The position of various acids was considered satisfactory. Buying was on an orderly basis, and sufficient export inquiry prevailed to take up any lag in domestic demand. Prices were well maintained, and there was little indication of any important changes.

Acetic.—Steady to firm price tone, with shipments moderate. July exports 430,519 pounds.

Battery.—Demand routine. Prices unaltered.

Chromic.—Firm price tone, with steady moving to plating trade.

Formic.—Market position favorable, and shipments good.

Gallic. — Withdrawals conservative. Prices lacked any change.

Hydrofluoric. — Buying moderate. Prices without change.

Lactic.—Business irregular, but tone of market firm.

Muriatic.—Demand steady. Market firm, and prices well maintained. July exports 343,604 pounds.

Naphthenic.—Prices nominal. Withdrawals satisfactory.

Nitric.—Shipments steady. Prices rule firm.

Oxalic.—Offerings limited to regular consumers. Quotations firm.

Phosphoric.—Routine interest. No change in the prices.

Sulphuric.—Favorable operations in a number of large consuming channels maintained volume at satisfactory levels. Nothing new developed in the prices and tone was firm.

Baltimore, Sept. 11.—Market for sulphuric acid continues without any changes so far as the nominal quotations are concerned, though the appearance of quiet may be on the surface only, with the demand active enough to take up the production and even leave a deficiency to be provided for. Deliveries on orders placed at the start of the year are of course made at the nominal levels, which stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Oleum nominal price of $17 per ton comes close to the trading level.

Insecticides

Business in the market for agricultural insecticides and fungicides was dull last week. Very little new business materialized in important materials. Calcium arsenate underwent little change; the government's weekly weather report revealed that the conditions were favorable for the development of the cotton crop in practically all sections of the belt. Lead arsenate was experiencing a normal seasonal demand. Quiet conditions prevailed in the market for bordeaux mixture and paris green. Prices were without change.

Bordeaux Mixture.—Business dull. Prices without change.

Calcium Arsenate.—New business slow. Prices steady to firm.

Lead Arsenate.—Market proceeding along normal seasonal lines. Prices rule firm.

Paris Green.—Demand quiet. Pricewise no change was disclosed.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Jones & Laughlin Buys Tin Plate Div. of McKeesport

Pittsburgh, Sept. 9, 1940

The Jones & Laughlin Steel Corporation, this city, has purchased the fixed assets and goodwill of the tin plate division of the McKeesport Tin Plate Corporation, McKeesport, Pa. The capacity of the mills of the purchased unit is 180,000 tons annually of black plate for tinning, 174,000 tons of hot reduced tin plate and 6,000 tons of terne plate. Jones & Laughlin has been the sixth largest producer of tin and terne plate in the United States, and its acquisition of the McKeesport properties will advance it to fourth place in the output of these products.

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In the Process Control Laboratory, equipment and methods usually reserved for Research Laboratories are employed.
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This means that you can depend on Diamond to deliver *as* and *when* you specify. There will be no unexpected variation from your specifications no unwanted impurities and your shipments are made to you *on time!*

So specify DIAMOND and know *absolutely* that your alkali problems are settled!

ALKALI

DIAMOND ALKALI CO.

PITTSBURGH, PA., AND EVERYWHERE

McK.&R. Debenture Issue Being Studied

A new issue of McKesson & Robbins debentures to supplant the outstanding $15,725,000 twenty-year five and one-half percent debentures is proposed as part of the reorganization plan being prepared by William J. Wardall, trustee for the company in bankruptcy. The debentures will be underwritten at a more favorable interest rate to the company.

The $1,000,000 of seven percent preference stock of McKesson & Robbins, Ltd., of Canada, will not be redeemed, according to Mr. Wardall, who says that the claims of the Canadian subsidiary of McKesson & Robbins may be settled in the reorganization scheme but these issues are still a matter of negotiation.

Regarding the trustee's action against certain McKesson & Robbins directors and auditors, started last Spring, Mr. Wardall tags as wholly unauthorized and most unfortunate a report to the effect that such claims would be settled for a total of about $1,000,000.

Since last April, Mr. Wardall and the intervening committees have been in constant negotiation regarding a reorganization plan and in his statement on September 12, he emphasized the cooperation he has had from the intervening committees, refuting definitely a report that the trustee was not attempting to reach agreements with such committees.

Quicksilver Stolen From Berk Plant

The equivalent of 126 full flasks of quicksilver, valued at approximately $22,800 and the property of F. W. Berk & Co., fine chemical manufacturer, Wood Ridge, N. J., was stolen from a company vault early on September 7. The lot, comprising 124 full and fifteen partially full flasks, was carted away in a truck taken from the company's garage. One suspect held by the police was found to be free on bail pending arraignment in this city on a charge of hijacking a truckload of cigarettes.

A reward of $2,000 was offered by the Wm. M. Mortimer Company, insurance adjuster, 111 John street, New York City, for recovery of the stolen metal, and another of $500 was offered for the arrest and conviction of the thief or thieves, or any person or persons criminally buying, receiving, or withholding the property. The reward offer expires December 31 next.

Peanut Diversion Plan For 1940 Approved

OPD Washington Bureau
September 12, 1940

Final approval of a program designed to improve marketing conditions for peanut growers by diverting surplus peanuts of the 1940 crop to the manufacture of oil and by-prdoucts was announced today by the Surplus Marketing Administration of the Department of Agriculture. The program becomes effective immediately. Tentative plans were announced on August 20, 1940.

Developed in cooperation with growers and trade representatives, the program is similar to those which were in effect for the 1937, 1938 and 1939 crops. Regional associations of producers will acquire peanuts from producers at authorized prices for the various types and grades of farmers' stock peanuts grown in 1940.

Trade Briefs

Peoples Drug Stores, Washington, August sales amounted to $1,990,013, against $1,811,947 in the same month a year ago.

Reed Drug Company, Baltimore, August sales amounted to $210,267, against $176,893 in the same month a year ago.

Walgreen Company, Chicago, August sales amounted to $6,280,693, against $5,704,522 in the same month a year ago.

C. Edgar Hires has been elected a director of Charles E. Hires Company, beverage manufacturer, Philadelphia, succeeding Charles S. Cheston, resigned.

Lee-Paul Drug Company, wholesale druggist, has been formed in Louisville, Ky., with C. Murray McDowell, formerly with McKesson-Peter-Neat, as general manager.

S. N. Brown has been elected a director of the Koppers Company, Pittsburgh, to fill a vacancy caused by the retirement of S. T. Borwon, formerly treasurer. He was also elected a vice-president.

Sterling Products, Inc., Wheeling, W. Va., has consolidated the national sales organization of its affiliates, Cummer Products Company, Bedford, Ohio, and the Wells & Richardson Company, Burlington, Vt.

Tennessee Powder Company has retained E. I. duPont deNemours & Co. to build and operate an addition to its smokeless powder plant at Millington, Tennessee, now in the course of construction. Production is expected to begin early next year.

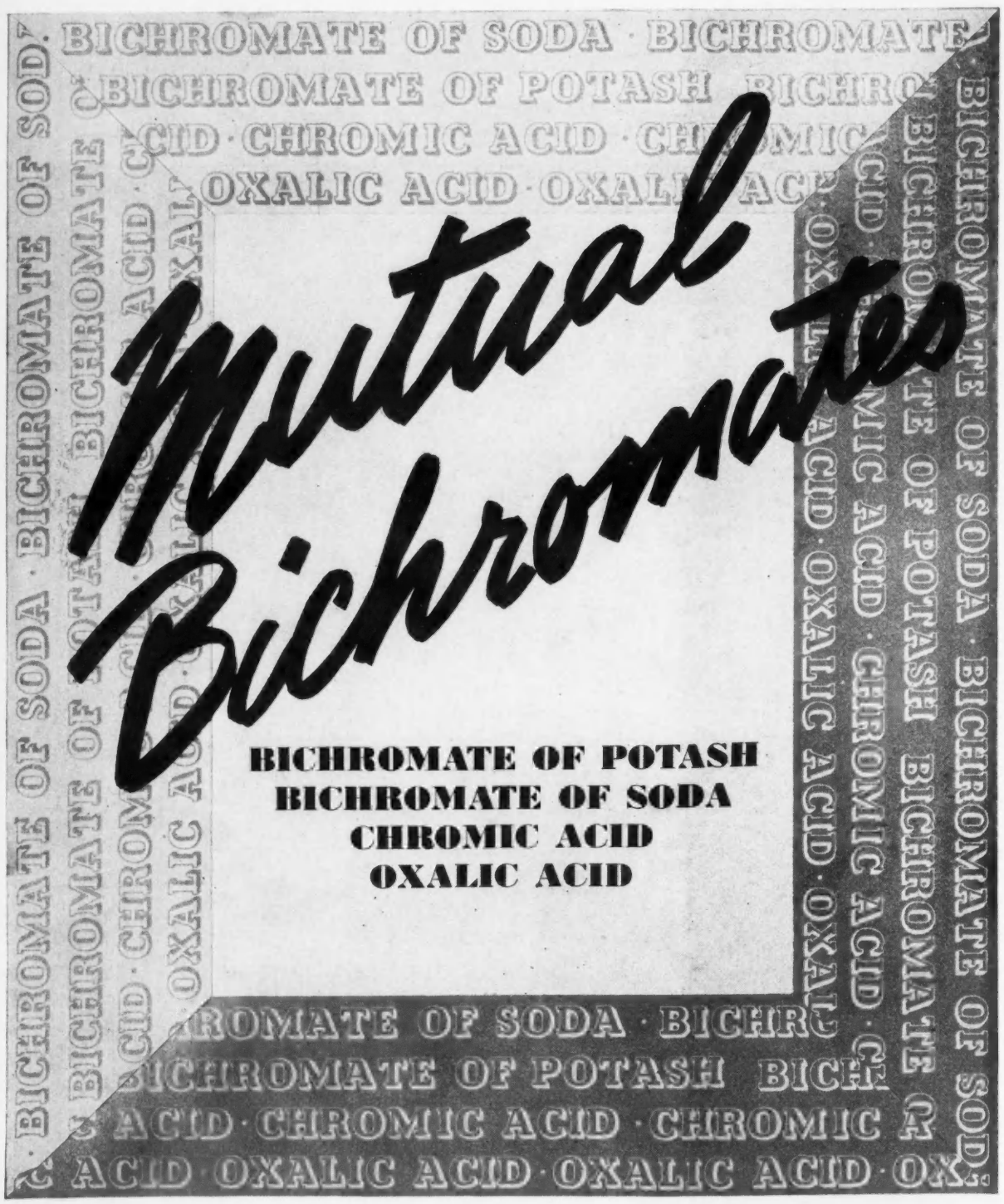
Industrial House Organ Editors to Meet Oct. 13

The first national convention of industrial editors will convene in St. Louis on October 13 for a three-day stay, according to Howard A. Marple, vice-president of the American Association of Industrial Editors and general chairman in charge of convention arrangements. Mr. Marple is also editor of *Monsanto Magazine*, published by the Monsanto Chemical Company of St. Louis.

Five associations, representing five different sections of the country, will assemble at the Hotel DeSoto. This is the first time that an attempt has been made to hold a joint conference of the five associations whose members represent the majority of editors of house organs published by the industrial corporations of this country.

Plans call for fifteen talks to be given by nationally known editors, artists and photographers in addition to ten open forum discussions. Sunday, the opening day, will be devoted mostly to getting the guests settled and conducting them on a short tour of the city. The different associations will hold their business meetings on Monday morning, which will be followed by a luncheon, several talks in the afternoon, and dinner in the evening. Tuesday will be devoted entirely to talks and forum discussions and the meeting will be brought to a close with a dinner in the evening.

Assisting Mr. Marple in the arrangements are F. M. Karches, associated with the Emerson Electric Manufacturing Company, who is in charge of the program; Harry Piper, of the Chamber of Commerce, in charge of entertainment; L. H. Gault, affiliated with the A. Leschen & Sons Rope Company, who will be in charge of registration, and Ray Kirkland, of the Missouri-Kansas-Texas lines, who will handle publicity.



MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

Dyestuffs, Textile and Leather Chemicals

Buying Continues Hesitant—Sago Flour Prices Reduced—Tanners Corn Sugar, Dextrin and Starch Advanced—Domestic Potato Starch and Egg Yolk Easier

Price movements in the market for dyestuffs, textile and leather chemicals were confined to sizing materials last week. Corn derivatives scored a moderate advance principally because of the firmness in the basic commodity. Fractionally declines occurred in domestic potato starch and sago flour, while imported egg yolk was easier. Chemicals, dyestuffs and extracts, which are on a contract basis, displayed no indication of any change for the fourth quarter.

Not a great deal could be said about the volume of business in the market. Buyers exercised much caution in making forward commitments. The hesitation could be partly accounted for by the uncertainty of developments abroad and the political situation here. In the textile field, woolen mills were quite active on government orders, however, civilian business has been a disappointing factor. Activity in leather goods has shown a seasonal pickup.

Price Changes

Advanced

Corn, dextrin, 5c. per 100 lbs.
starch, 5c. per 100 lbs.
sugar, tanners, 5c. per 100 lbs.

Reduced

Egg yolk, dom., 1c. per lb.
Sago flour, ½c. per lb.
Starch, potato, dom., ½c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
144.6	**144.4**	**144.8**	**148.3**

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Market firm. Demand fair.

Alumina Chloride.—No change in prices, with shipments moderate.

Ammonia Acetate.—Steady to firm price tone; buying modest.

Ammonia Bichromate. — Quotations firm, and withdrawals narrow.

Antimony Salts.—Business dull, and prices without change.

Chrome Acetate.—Trading routine. No change in the prices.

Potash Bichromate.—Quotations rule firm. Domestic shipments steady.

Potash Prussiate.—Prices without change, and demand only fair.

Soda Bichromate.—Shipments in spot market and against contracts satisfactory. Fair export inquiry. Prices firm.

Soda Prussiate.—No new price developments, with interest routine.

Sulphonated Oils.—Demand spotty. Market lacked any further change.

Zinc Dust.—Market firm at levels established preceding period. Business moderate.

Dyestuffs

Annatto.—New business light. Prices rule unchanged.

Cochineal.—Firm price tone, with buying narrow.

Fustic.—Fair demand. Pricewise no change occurred.

Hypernic.—Market lacked any price change, with business irregular.

Indigo.—New crop awaited. Prices nominal.

Logwood.—Trading routine. Prices firm. July exports of extract 37,499 pounds, valued $6,065.

Madder Dutch. — Business dull. Prices without alteration.

Turmeric.—Market position strong, with transactions routine.

Sizing Materials

Albumen, Blood.—Steady demand. Quotations continue unchanged and firm.

Albumen, Egg.—Buying lacked expansion. Prices without change.

Corn Sugar.—All grades 5c. per 100 pounds higher. Bookings fair.

Dextrin, Corn.—Prices advanced 5c. per 100 pounds. Moderate interest. Department of Agriculture estimates this year's corn crop at 2,297,186,000 bushels, against 2,248,246,000 bushels a month ago and 2,619,137,000 bushels a year ago.

Dextrin Potato.—No stocks of imported and prices withdrawn.

Egg Yolk. — Domestic 1c. lower, ranging from 58c. to 60c. per pound; imported unchanged. Buying light.

Sago Flour.—Prices reduced ½c. at 3½c. to 4c. per pound. Demand spotty.

Starch, Corn.—Quotations advanced 5c. per 100 pounds for all grades. Moderate buying. Eleven refiners of starches, syrups, etc., used 5,450,391 bushels of corn grind for domestic use during August, against 5,123,031 bushels in previous month and 5,889,940 bushels in August, 1939, according to Corn Industries Research Foundation.

Starch Potato.—Domestic prices ½c. lower ranging from 6c. to 7c. per pound. Department of Commerce estimates this year's potato crop at 383,172,000 bushels, against 374,314,000 bushels a month ago and 364,016,000 bushels a year ago.

Starch, Rice.—Market failed to display any price change. Buying only fair.

Starch, Sweetpotato.—Interest moderate. Pricewise a firm tone prevailed.

Starch, Wheat.—The tone of market was steady, while buying held close to nearby requirements.

Tapioca Flour.—Inquiries moderate. Prices lacked any new developments.

Tanning Materials

Chestnut Bark.—Routine demand. Prices rule firm.

Cutch.—Business dull. No change disclosed in the prices.

Gambier. — Light interest, prices firm at levels established previously.

Hemlock Bark.—Fair demand. Prices well sustained.

Hematine. — Buying conservative. Nothing new occurred in the prices.

Mangrove Bark.—No new price developments, with inquiry only fair.

Myrobalans.—Demand quiet. Prices without change.

Oakbark. — Firm price tone prevailed, with business only fair.

Quebracho. — Buying moderate. Pricewise no change occurred.

Quercitron.—Business held to necessary replacements. Prices without alteration.

Spruce Extract.—Quotations without change, and shipments moderate.

Sumac. — Nothing new occurred, with supplies from primary markets cut off and prices unavailable.

Valonia.—Demand quiet. Quotations for beards and cups the same.

Wattle Bark.—Market lacked any new price developments. Interest dull.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Textile Chemists and Colorists, Oct. 18-19, New York.

Bichromate Production Planned in India

A large Indian firm is planning to produce bichromates on a scale sufficient to meet almost the whole of the normal domestic demand of British India. If the plans materialize, production may begin early in 1941, according to advices received at the Department of Commerce from the American consulate general in Calcutta.

Another prominent firm of textile mill operators, and probably the largest consumer of bichromates in India, is installing a plant at present for the production of its own requirements. In addition, the government of Mysore has approved a proposal for the establishment of a factory to manufacture soda bichromate at Belagola in order to offset to some extent the shortage of this chemical in India.

Draft Bill Presents Puzzles for Business

—*Continued from page 5*

the job of a draftee after his service is over unless circumstances make it impossible. The employee may bring the case to court, which may order the employer to rehire him. But since no specific penalties are listed, and compulsion is more of a moral than a legal one.

Many manufacturers and business men have already guaranteed to return jobs to the draftees. A recently made survey discloses most executives intend to reinstate the men and protect their job-security benefits. Some declared they will pay the difference between the army pay and regular wages.

The bill places a moratorium on private debts of draftees, delays court proceedings against them, and suspends foreclosure of mortgages and lapsing of insurance policies.

One provision forbids inducting any draftees until adequate housing and medical facilities have been set up.

The house and senate conferees this week eliminated from the bill a clause requiring that any man leaving his job thirty days before the bill goes into effect should be considered as leaving for selection purposes as regards re-employment rights. Also eliminated was a provision subjecting army contractors to the same profit limitations imposed on navy airplane manufacturers by the Vinson-Trammell act.

Thiourea Now Made By American Cyanamid

Dependence on foreign sources for thiourea, an essential chemical used in the metal, plastics, photographic, textile and chemical industries, has now been eliminated by its manufacture here on a large scale by the American Cyanamid Company. Heretofore American Cyanamid has supplied the market by importations from abroad.

Thiourea is made from cyanamide and is another product in the increasing number derived by the company from this basic raw material in its program of development and diversification.

Thiourea is an essential intermediate in the synthesis of thiamin (vitamin B1) and of sulfathiazole, latest addition to the potent synthetic drugs of the sulfanilamid family. The metal finishing industry uses thiourea as an inhibitor in pickling baths to control the etching action of the acid on metal surfaces. More than 171 United States and foreign patents describe the applications of thiourea in synthetic amino plastics of the Beetle type, to which it imparts superior resistance to water, acids and alkalis.

In photography, thiourea forms an essential ingredient of certain improved types of toning, developing and fixing baths. Many textile fibers, both natural and artificial, are benefited by treatment with thiourea. Cellulose acetate rayons are softened for dyeing by immersion in a solution containing thiourea. It is also important in the manufacture of nonglare mirrors.

Thiourea is the second compound formerly of foreign origin now made in the United States by the American Cyanamid Company. Recently announced was the production of "Redsol" crystals or potassium sodium fericyanide, to replace red prussiate of potash formerly imported. This new compound, which is also derived from cyanamide, is used in the manufacture of blueprint paper and in certain processes of color and black-and-white photography.

Medicinal and pharmaceutical lines are desired by a visitor from Cuba, who is expected to arrive in New York about September 15 is interested in obtaining representations of American medicinal and pharmaceutical products for Cuba. Details regarding the visitor may be obtained by duly accredited American firms upon request to the Bureau of Foreign and Domestic Commerce, Washington.

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Jersey City, N. J.
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Technical 60% Sodium Acetate
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Three white, free-flowing powders, readily soluble, practically iron free for textile, tanning, dye house use. Samples and further information on request.
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Barrett

CUMAR*

•

For your convenience, The Barrett Company lists below prices on Cumar (PARACOUMARONE-INDENE) Resin. Cumar is readily available for immediate shipment in a full range of color shades and melting points for a wide variety of applications.

Grade	Sold On Basis of	List Price Per Pound
Cumar W-½	Net Weight	$ .13
Cumar W-1	"	.12
Cumar W-1½, 2	"	.11
Cumar W-2½	"	.10
Cumar V-½	Net Weight	$ .12
Cumar V-1	"	.11
Cumar V-1½, 2	"	.10
Cumar V-2½, 3, 3½	"	.09
Cumar MH-1	Net Weight	$ .11
Cumar MH-1½, 2	"	.10
Cumar MH-2½, 3, 3½	"	.09
Cumar MH-9	"	.065
Cumar RH	Net Weight	$. 10
Cumar MS	"	.10
Cumar RS	"	.10
Cumar Special soft	"	.10
Cumar P-10° to 90° (color 2½ and Darker)	"	.105
Cumar AX	Net Weight	$ .06
Cumar BX	"	.06
Cumar CX	Gross Weight	.05
Cumar DX	"	.045
Cumar EX	"	.045
Cumar FX	"	.05

Less than standard package quantities add 5c per pound to above prices.

Prices apply f.o.b. Frankford, Philadelphia, Pennsylvania, freight equalized with Pittsburgh, Pennsylvania on standard package quantities only. Terms,—net cash 30 days.

Contract prices for the period terminating December 31, 1940, are ¼c per pound below list. Spot prices are subject to change without special notice.

The Barrett Company • 40 Rector St. • New York, N.Y.

... *One of America's great basic businesses*

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Barrett CHEMICALS

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This new 36-page, pocket-size booklet lists the many important chemicals Barrett manufactures, and provides a finger-tip reference of concise descriptions and uses for each product. We will gladly send your copy on request. No obligation.

Coaltar Chemicals

Contracts Extended to Fourth Quarter on Basic Products —Benzol, Toluol and Xylol Prices to Remain Unchanged —Hydrogenated Solvents and Phthalic Anhydride Firm

A leading seller announced contract prices have been extended to fourth quarter on basic products and hydrogenated solvents. Contract bookings will be made at current levels covering the last three months on cresols, cresylic acid, phenol, pyridin, tar acid oils, benzol, solvent naphtha, toluol and xylol. Prices will also remain firm for phthalic anhydride. Release of intermediate and coaltar color prices were expected to follow shortly.

Demand in most important chemicals displayed some broadening. Consumers were less hesitant in making commitments against contracts, reflecting partly seasonal conditions. A gradual pickup was looked for in most consuming lines over the remainder of the year. Steel operations continued at capacity levels, but the higher coking operations were not expected to bring about any definite weakness in the market position of most items.

Benzol moved a little better, but supplies were more than sufficient to care for all available needs. Xylol position has not weakened to any extent, most sellers had little difficulty disposing of current production. Domestic needs for toluol were adequately supplied, with much of the pressure off the market.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	127.1	127.2	125.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A leading seller extended contracts to fourth quarter. Demand moderate. July exports 26,653 gallons, valued $4,308.

Carbazole.—Prices rule firm, with shipments routine.

Coaltar.—Withdrawals made against contracts fairly steady. Pricewise a firm tone prevailed.

Creosote Oil.—Major consumers entered market for fair size replacements. No new price developments occurred. July exports 105,000 gallons.

Cresols. — Contracts for various grades will be extended into final quarter. Demand moderate.

Cresylic Acid.—One factor has extended current contract prices to fourth quarter. Replacement buying in some directions remains satisfactory.

Naphthalene.—Firm tone governed the transactions. Shipments routine.

Phenol. — Fourth quarter contract prices extended by one leading seller. Shipments moved at a good pace. July exports 844,279 pounds.

Pitch, Coaltar.—Steady to firm price tone. Transactions routine. July exports 249 tons.

Pyridin. — Quotations for various grades will remain firm for last quarter. Steady interest.

Solvent High Flash.—Contract prices extended into fourth quarter. Business moderate.

Tar Acid Oils.—Prices for all grades will be renewed for last quarter. Buying only fair.

Toluol.—One seller extended current contract prices into final quarter. Shipments moderately active. July exports 4,556,256 pounds, of which 4,544,994 pounds went to the United Kingdom.

Xylol.—Contract price to remain for fourth quarter. Moderate demand. July exports 1,685 pounds.

Chicago Coaltar Bases

Coaltar bases in general are making a good showing in this market, on a firm price structure. Benzol market tone is better since recent readjustments. Various consuming lines are actively inquiring. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 10c. to 10½c.; toluol, 27c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Solvents

Cyclohexane.—Price unchanged. Demand steady.

Cyclohexanol.—Shipments satisfactory at new price level of 26c. per pound.

Cycohexanone.—Good inquiry at the recently established price of 40c. per pound.

Methylcyclohexane:—Business moderately active, no further change in prices.

Methylcyclohexanol. — Withdrawals steady. Prices steady to firm.

Methylcyclohexanone. — Price unchanged and firm, with buying good.

Coaltar Acids

Anthranilic.—Fair demand. Prices lacked change.

Benzoic.—Interest routine, with quotations the same.

Broenner's.—Buying held close to nearby needs. Prices unaltered.

Cleve's. — Little change in trading, and prices well maintained.

Fumaric. — Moderate inquiry, and quotations unaltered.

Gamma.—Fair demand. No change in prices.

H.—Dealings routine. Pricewise no change occurred.

Laurent's.—Usual consumers provided moderate interest.

Maleic. — Shipments moderately active. Prices rule firm.

Malic.—Prices unchanged and firm, with transactions moderate.

Picramic.—Market without any new developments and tone remains firm.

Picric.—Buying steady. Prices well maintained.

Salicylic.—Fair demand, with prices at previous levels.

Succinic. — Quotations unaltered; withdrawals confined to regular channels.

Sulphanilic.—No new price developments, and business fairly steady.

Tobias.—Usual consumers supplied satisfactory demand to keep market in firm position.

Other Intermediates

Alphanaphthol.—Moderate demand. Prices without change.

Alphanaphthylamine.—Steady inter-

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Textile Chemists and Colorists, Oct. 18-19, New York

Pest Control Association, Oct. 28-30, Indianapolis.

est for usual channels. Prices lacked any change.

Anilin.—Shipments moved at a satisfactory pace. Prices ruled firm.

Anthraquinone. — Steady to firm price tone, with buying fairly steady.

Benzaldehyde. — Demand routine. Prices unchanged.

Benzidin Base.—Fair buying. Prices remain the same.

Betanaphthol.—Transactions steady. Pricewise no change occurred.

Betanaphthylamine.—Some broadening in demand reported. Prices rule firm.

Diethylanilin. — Business moderate. No change in the quotations.

Dimethylanilin.—Withdrawals moderately active. Prices unaltered.

Dinitrobenzene. — Steady demand. Prices unchanged and firm.

Dinitrochlorobenzene. — Replacement buying favorable, and market position firm.

Dinitronaphthalene. — Usual consumers gave market satisfactory support.

Dinitrophenol. — Business only fair. Nothing new occurred in the prices.

Dinitrotoluene. — Market position firm. Busines steady.

Diphenyl.—Fair interest. Quotation steady to firm.

G. Salt.—Dealings routine. No change reported in the prices.

Metanitroparatoluidin.—Steady call for small quantities. Prices the same.

Metaphenylenediamine. — Nothing new occurred in the market, with buying conservative.

Nitrobenzene. — Shipments moderately active. Prices rule firm.

Nitronaphthalene.—Buying for regular consumers steady. No change in the prices.

Orthoanisidin. — Market routine. Quotations without alteration.

Orthochloroanilin. — Fair demand. Prices well sustained.

Orthochlorophenol. — Transactions moderate. Prices unchanged and firm.

Orthodichlorobenzene. — Business steady. Prices lacked any change.

Orthonitroanilin.—Usual consumers made fair size replacements.

—Continued on page 38

Drug Law Application Interpreted by F.D.A.

—Continued from page 3

gesic amounts of chlorobutanol should include the active ingredient in the name.

Cascarin Not Common Name

The term "Cascarin" is not regarded as a common name of an ingredient used in drugs. If it is used, the label must explain what the article is.

Prescription Warnings

When drugs are dispensed on a physician's prescription, they would not ordinarily require label warnings against misuse, because presumably such warnings were given by the physician orally. But if circumstances permit the consumer to repurchase the article indefinitely and recommend it to friends, full directions for use and warnings should be included on the label.

Potassium Iodide

A label for a proprietary product containing potassium iodide should indicate that the preparation is not intended for children, and should contain a conspicuous statement that it will have no significant influence in removing the cause of bronchial asthma.

Sea-Sickness Remedy

A proprietary bromide preparation which bears claims for "Sea-sickness, train-sickness, and auto-sickness" should contain a statement that the preparation cannot be relied upon to prevent or cure these conditions.

Calomel Tablets

The administration recommends the phrase, "Calomel and Soda Tablet, N. F., Mild mercurous chloride 1 grain," instead of "Calomel and Soda Tablet, N. F., 1 grain." The first phrase is held to be clear, whereas the second might mean that the tablets contain one grain of the combination of calomel and soda.

Color Names

Color mixtures may be sold under names other than the name specified on the application for certification only if these names are submitted in the application, their acceptability determined, and permission granted to use any of the names proposed.

Dibutyl Phthalate in Color

Certification of EXT.D&C colors will not be refused because of the use of pure dibutyl phthalate as a diluent for such color provided the concentration of color in the mixture is such that the dibutyl phthalate will not comprise a substantial proportion of a finished cosmetic preparation.

Repacking Colors

Certified coaltar color can be repacked only by the person to whom the certificate is issued, unless the repackaged lot is recertified. The changing of labels of certified colors is not prohibited if the required information is carried over to the new label and the records of identity of lot maintained.

Copper Chlorophyl

If there is no danger, copper chlorophyl is suitable for use in external preparations. Alkanet root and cudbear extract are not regarded as harmful colors when properly purified.

Antioxidants in Oils

In the use of antioxidants in salad oils, the harmlessness of the added ingredient should be established, and it is necessary that the label declare the antioxidant by its common name and call it a preservative. Mayonnaise, temporarily exempt from requiring the label to declare its ingredients, is not exempt from the declaring of preservatives or ingredients not normal to it.

Cleveland Paint & Varnish Production Club's golf tournament for the Toronto Cup will be held September 21 at Columbia Mills.

Color Certification Totals Issued by F.D.A.

—Continued from page 5

Coaltar colors intended for use in food often contain large quantities of bacteria, which indicates that they may have been prepared under unsanitary conditions, the Food and Drug Administration has reported after completing laboratory tests on more than 100 samples. Manufacturers have been warned that under the food, drug, and cosmetic act such colors are classed as foods and that certification may be refused if they are packed under unsanitary conditions or contaminated with filth.

Nydick Executive Secretary Of Commercial Labs. Council

The American Council of Commercial Laboratories has appointed A. J. Nydick executive secretary. The council organized in 1937 by testing and research laboratories to serve as a clearing house for the dissemination of scientific and testing research information to its various members and to serve as a control board in the maintenance of high standard professional ethics in the fields of testing and research.

Mr. Nydick is associated with Garey & Garey, this city. He is representative in Pennsylvania for the American Chemical Society and serves as general counsel for the Pennsylvania Chemical Society.

Rock Salt Freights Cut

The New York Public Service Commission has approved new commodity freight rates of the Erie railroad on rock salt, carload, minimum weight as specified in tariff, from Retsof, on Genesee & Wyoming, to Niagara Falls and Suspension Bridge 90 cents per net ton, reduction. Effective September 16, 1940.

J. D. Powell has been elected vice-president of the Skelly Oil Company, Chicago, in charge of marketing.

UNIFORM
DEPENDABLE
KOPPERS
Coal Tar Solvents
BENZOL—ALL GRADES
TOLUOL—INDUSTRIAL AND NITRATION
XYLOL—10° AND INDUSTRIAL
SOLVENT NAPHTHA—INCLUDING HIGH FLASH
Services of the Koppers Laboratories are always at your command
OTHER KOPPERS CHEMICALS and SOLVENTS
Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades)...3° Meta Para Cresol ...Cresylic Acid—99%, pale, low-boiling—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars...Tar Acid Oils...Pitch Coke...Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote
OTHER KOPPERS PRODUCTS
Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials...Bituminous-base Paints...Coal...Coke...Tanks and Tank Work...Removal and Recovery Systems...Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber
KOPPERS COMPANY PITTSBURGH PENNA

Coaltar Chemicals

Other Intermediates

—*Continued from page 37*

Orthonitrotoluene.—Steady for firm price tone, with shipments steady.

Orthophenetidin.—Dealings conservative. Prices continued firm.

Orthotoluidin. — Market position strong. Business steady.

Parachlorophenol.—Business routine, and prices remain the same.

Paranisidin.—Fair volume of business. Quotations firm.

Paranitroanilin.—Firm price tone. Business steady.

Paranitrophenol. — Demand spotty. Quotations well sustained.

Paranitrotoluene. — Market firm. Business moderate.

Paratoluidin.—Quotations unchanged and firm. Shipments steady.

Phthalic Anhydride.—One seller extended contract prices into fourth quarter. Buying moderately active.

R. Salt.—Market a routine affair. Prices without change.

Schaeffer's Salt.—Consumers made necessary replacements as a rule.

Thiocarbanilide. — Buying regarded as satisfactory, and prices continue steady to firm.

Toluidin.—Shipments moved at a favorable pace. Prices without alteration.

Xylidin.—Moderate interest in most directions. Pricewise a firm tone prevailed.

Coaltar Colors

Movement of coaltar colors was moderate in most directions last week. Consuming industries preferred to follow a conservative purchasing policy, but made replacements fairly steadily. Operations in the textile industry were spotty; woolen mills were working on government orders, while leather goods was showing a seasonal pickup. The outlook over the remainder of the year appeared favorable. Nothing new was disclosed in the prices. Export inquiries reached the market in satisfactory volume, although shipments were below the peak levels. July exports amounted to 2,153,661 pounds, valued at $1,589,245, of which 1,103,463 pounds went to the British Indies; 386,941 pounds to Canada; 147,794 pounds to the United Kingdom and 103,647 pounds to Mexico.

Current Market Quotations

Yara Yara—Zinc Oxide

—*Continued from page 27*

Y

Yara yara, cryst., cns.	lb.	1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York	lb.	.55 - —
bottles, same basis	lb.	.60 - .64
imp., bbl., same basis	lb.	.55 - —
Cadmium, CP, import., bxs.	lb.	1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works	frt. alld. lb.	.50 - —
smaller lots ,same basis	lb.	.55 - —
kgs., ton lots, same basis,	lb.	.55 - —
smaller lots, same basis,	lb.	.60 - —
Sulphide, orange, bbls., works,	lb.	.75 - —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts	lb.	.13½- —
open order	lb.	.14½- —

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.	lb.	.09 - .11
Hansa, bbls., same basis, chrome	lb.	1.37 - —
primrose shade, bbls., same basis, chrome	lb.	1.75 - —

Mercury oxide (see M).

Chemicals and allied products imported in Peru in 1939 were valued at $6,225,000.

Yellow ocher, Amer., golden A, bbls., works	lb.	.06¼- —
B, bbls., works	lb.	.04½- —
C, bbls., works	lb.	.05¾- —
yellow A, bbls., works	lb.	.02¼- —
B, bbls., works	lb.	.02½- —
C, bbls., works	lb.	.02 - —
D, bbls., works	lb.	.0195- —
E, bbls., works	lb.	.01775- —
F, bbls., works	lb.	.01½- —
G, bbls., works	lb.	.01½- —
H, bbls., works	lb.	.01¾- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import.	lb.	.02475 Nom.
New York (f.o.b.)	lb.	.02⅝ Nom.
Philadelphia for import.	lb.	.02¾ Nom.
ex dock San Pedro, San Francisco	lb.	.0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans	lb.	.02575 Nom.
New York	lb.	.02⅝ Nom.
Phila., for import	lb.	.02¾ Nom.
Portland, Seattle	lb.	.03⅛ Nom.
San Pedro, S. Francisco	lb.	.03 Nom.
ex whse., Balto, Boston, N. Orleans	lb.	.02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis	lb.	.03⅝ Nom.
New York	lb.	.03 Nom.
Pittsburgh	lb.	.03¼ Nom.
Portland, Seattle	lb.	.03⅜ Nom.
San Pedro, S. Francisco	lb.	.03¼ Nom.
f.o.b. N. Y., from dock,	lb.	.02⅞ Nom.
from whse.	lb.	.03¼ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04½- —
l.c.l., same basis	lb.	.04¾- —
synth., bbls., c.l., works	lb.	.06½- —
l.c.l. same basis	lb.	.06¾- —
Persian orange (See O).		
Zinc, bbls., same basis, chrome CP, contracts	lb.	.18 - —
open order	lb.	.19 - —
Yellow dock root, dom., bls.	lb.	.17 - .18
Yellow root (xanthorina), bls.	lb.	.11 - .5'
Yerba santa leaves, bls.	lb.	.09 -
Yohimbine hydrochloride, via.	oz.	2.95 -

Z

Zein, bgs., 1,000 lbs. or more, works	lb.	.20 - —
less than 1,000 lbs., works	lb.	.25 - —
Zinc acetate, tech., bbls., dlvd.,	lb.	.15 - .16
USP, bbls., 250 lbs.	lb.	.27 - —
kgs., 100 lbs.	lb.	.29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies	lb.	.12 - —
l.c.l., bgs.	lb.	.12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.		
Carbonate, tech., bbls.	lb.	.14 - .16
USP, precip., powd., bbls.	lb.	.32½- —
25 lb. dms.	lb.	.37½- —
kgs.	lb.	.34½- —
Chloride, tech., fused, dms., c.l., works, 100 lbs.		4.25 - —
l.c.l., works, 100 lbs.		4.60 - —
gran., dms., c.l., works, 100 lbs.		5.00 - —
USP, 200-lb. dms.	lb.	.26 - —
25-lb. jars	lb.	.31 - —
solution, 50%, dms., c.l., works	lb.	.0290- —
l.c.l., works	lb.	.04 - .04½
tanks, works	lb.	.0225- —
Cyanide, kgs., works	lb.	.33 - —
Dust, bbls., c.l., dlvd.	lb.	.0885- —
l.c.l., bbls., dlvd.	lb.	.0935- —
Iodide, N. F., bots.	lb.	4.35 - —
jars	lb.	4.20 - —
Fluoride, bbls.	lb.	.20 - .25
Metal (see daily quotations in Market report).		
Zinc, oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06½- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.07 - —
ex whse., Pac. cst.	lb.	.07 - —
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
35%, bgs., c.l., dlvd.	lb.	.0616- —
l.c.l., dlvd., except Pct. cst.	lb.	.0641- —
ex whse., Pac. cst.	lb.	.0641- —
bbls., c.l., dlvd.	lb.	.0641- —
l.c.l., dlvd., except Pac. cst.	lb.	.0666- —
ex whse., Pac. cst.	lb.	.0666- —
50%, bgs., c.l., dlvd.	lb.	.0618- —
ex whse., Pac. cst.	lb.	.0624- —
l.c.l., dlvd., except Pac. cst.	lb.	.0643- —
ex whse., Pac. cst.	lb.	.0643- —
bbls., c.l., dlvd.	lb.	.0643- —
l.c.l., dlvd., except Pac. cst.	lb.	.0668- —
ex whse., Pac. cst.	lb.	.0668- —
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.06½- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.07 - —
ex whse., Pac. cst.	lb.	.07 - —
green seal, bgs., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.08½- —
ex whse., Pac. cst.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¾- —
ex whse., Pac. cst.	lb.	.08¾- —
red seal, bgs., c.l., dlvd.	lb.	.07¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.08 - —
ex whse., Pac. cst.	lb.	.08 - —
Zinc oxide, French, red seal, bbls., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
white seal, bgs., c.l., dlvd.	lb.	.08¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.09 - —
ex whse., Pac. cst.	lb.	.09 - —
bbls., c.l., dlvd.	lb.	.09 - —
l.c.l., dlvd., except Pac. cst.	lb.	.09¼- —
ex whse., Pac. cst.	lb.	.09¼- —
imported, gold seal, cks., ex whse.	lb.	No prices
green seal, bbls., ex whse.	lb.	No prices
white, seal, cks., ex whse.	lb.	No prices
USP, bbls., c.l.	lb.	.09¾- —
Palmitate, bbls.	lb.	.24½- .27½
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd.	lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.22 - —
l.c.l., 1 ton	lb.	.23 - —
1,000-2,000 lbs.	lb.	.24 - —
less than 1,000 lbs.	lb.	.25 - —
USP, bbls.	lb.	.23 - .26
Sulphate, cryst., bgs., c.l.	100 lbs.	2.90 - —
l.c.l.	100 lbs.	3.65 - —
bbls., c.l.	100 lbs.	3.05 - —
l.c.l.	100 lbs.	3.80 - —
flake, bgs., c.l.	100 lbs.	3.25 - —
l.c.l.	100 lbs.	4.00 - —
bbls., c.l.	100 lbs.	3.40 - —
l.c.l.	100 lbs.	4.15 - —
powd., bgs., c.l.	100 lbs.	4.55 - —
l.c.l.	100 lbs.	5.30 - —
bbls., c.l.	100 lbs.	4.70 - —
l.c.l.	100 lbs.	5.45 - —
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.07¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08 - —
barium, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼- —
calcium pigments, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05½- —
Sulphocarbolate, NF., bbls., dms.	lb.	.24 - .29
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd., except Pac. cst.	lb.	.05½- —
ex whse., Pac. cst.	lb.	.05¾- —
Zirconium nitrate, kgs., works	lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works	ton.	75.00 -100.00
white, 98%, grd., kgs., works,	lb.	1.80 - 2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Sept. 2 issue; the next printing will be in the Oct. 7 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 39.

Coaltar Chemicals Prices Renewed by Barrett Co.

The Barrett Company, this city, has announced that current prices have been renewed to cover contract requirements for the fourth quarter of 1940 on the following:—Benzol, toluol, solvent naphtha, xylol, high-flash solvent, hydrogenated solvents, phthalic anhydride, pyridins, pickling compounds, phenols, cresols, cresylic acids, tar acid specialties, tar acid oils, neutral oils and refined naphthalene for industrial use.

New England Paint and Oil Club will hold a golf outing at the Winchester Country Club, Winchester, Mass., September 26.

REPUBLIC BENZOLS
1° – 2° – 90% · MOTOR
REPUBLIC STEEL
REG. U.S. PAT. OFF.
ALSO
TOLUOLS
Nitration-Commercial
XYLOLS
3° – 5° – 10° – Commercial
SOLVENT NAPHTHA • AMMONIUM SULPHATE
CRUDE NAPHTHALENE
Specify Niles Steel Containers for your Packaged Items
REPUBLIC STEEL
CORPORATION
General Offices • Cleveland, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES
Shipping Points: Cleveland, Ohio · Warren, Ohio · Youngstown, Ohio
Canton, Ohio · Massillon, Ohio · Gadsden, Alabama · Birmingham, Alabama

J & L LIGHT OIL DISTILLATES
Commercially Pure Benzol
90% Benzol • CXP Benzol
XYLOLS (Solvent Naphtha)
Reagent Benzol • Pure Toluol
Sulphate of Ammonia
JONES & LAUGHLIN STEEL CORPORATION
PITTSBURGH, PENNSYLVANIA

Paint, Varnish, Lacquer Materials

Zinc Oxides Advance on Slab Zinc Strength — Zinc Sulphide, Lithopone Unchanged—Limited Markets Cause Varnish Gum Reductions—Carbon, Bone, Lamp Black Prices Extended

The strength of the slab zinc price, and the reported shortage of the base metal, caused advances in the quotations for all grades of zinc oxide last week. Lithopone and zinc sulphide remained unchanged but were showing firming tendencies.

Prominent producers of carbon, bone and lamp blacks indicated last week that the contract price now in force would probably be extended through the last quarter of the year. Similarly, earth and chemical colors will be unchanged. The general market last week was showing further signs of improvement. In the New York area Fall painting was being held up by the painters' strike but this had not as yet affected the market for raw materials. Pigments and colors were moving well, casein was a bit slower, driers and glues were firm.

With European markets no longer able to purchase usual quotas, there has been an accumulation of stocks of varnish gums in this country and at primary centers. This situation has tended to ease the market in recent months and finally resulted in reductions of twenty-nine types of varnish gum last week. Dammar gums were not affected.

Business in rosin and turpentine showed improvement. Much of the purchasing was of a conservative character, consumers still being disinclined to anticipate so far as the placing of new orders was concerned, but an increase was noted in the request for moderate quantities. The movement into consuming channels on contracts apparently held up well and the prevailing tone in Southern and local markets was regarded as firm.

Metallic Lead and Zinc

Pig lead activity was at a lower level last week than in several previous periods. Buyers were purchasing smaller amounts, indicating that they were fairly well stocked. The price was firm and unchanged. There was no unsteadiness in the market for slab zinc, with sales still made at an active rate. Prices were steady at East St. Louis and New York. Slab zinc stocks declined 14,126 tons in August to 44,670 tons, the lowest since 1929.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from September 7 to September 13, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0490@.0495	$0.0475	..* .. ..
Mondy	.0490@.0495	.0475	.. .. ..
Tuesday	.0490@.0495	.0475	.. .. ..
Wedn'sd'y.	.0490@.0495	.0475	.. .. ..
Thursday	.0490@.0495	.0475	.. .. ..
Friday	.0490@.0495	.0475	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from September 7 to September 13, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0725	$0.0685	..* .. ..
Monday	.0725	.0685	.. .. ..
Tuesday	.0725	.0685	.. .. ..
Wednesday	.0725	.0685	.. .. ..
Thursday	.0725	.0685	.. .. ..
Friday	.0725	.0685	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Market still characterized by quiet and nominal price.

Litharge.—Shipments only fair. New demand small. Prices unchanged.

Lithopone.—Inquiries better. Shipments routine during week. Price steady.

Price Changes

Advanced

Rosin, gum, 1c. to 14c. per 100 lbs.
Turpentine, s.d., 2c. per gal.
Zinc oxide, pigment, American, lead free, ¼c. per lb.
leaded, 5%, ¾c. per lb.
35%, 16 points.
50%, 12 points.
French process, green, red, white seal, ¼c. per lb.
USP, ¼c. per lb.

Reduced

Gum, copal, bgs., c.l., ¼c. to 2¼c. per lb.
elemi, bgs., c.l., 2c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.2

Market news that may have developed after this report was sent to press will be found on page 4.

Metronite Pigment.—Firm and unchanged. Demand normal.

Orange Mineral.—Contract deliveries picking up. Prices firm.

Flake White.—Little of new interest. Developments few during week. Demand small and price steady.

Red Lead.—New buying interest noted. Inquiries mostly for future delivery. Contract call normal. Price steady.

Titanium Pigments.—Volume shipped into consumption on contract held to heavy levels. New buying interest reported improved. Prices firm and unchanged.

White Lead.—Market recovering to Fall levels. Pick-up moving slowly. Inquiries becoming more numerous. Price steady and unchanged.

Zinc Oxides. — Strength of zinc caused advances of 12 points to ¼c. per pound for American and French process material. New delivery price for car lots in bags are as follows:—American lead free 6½c. per pound; 5 percent, leaded, 6⅜c.; 35 percent, .0616 and 50 percent, .0618 delivered East and .0624, ex warehouse Pacific Coast. Car lot price for delivery of French process lead free in bags, 6½c. per pound; French green seal, 8¼c.; red seal, 7¾c. and white seal, 8¾c. Car lot barrel price of U.S.P. material is now 9¾c. per pound.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Production Clubs, Oct. 28-30, Washington.
Paint, Varnish and Lacquer, Oct. 30-Nov. 1, Washington.

Roll in the Barrels
of
PARADURA 540
an outstanding heat-hardening 100% pure phenolic.
PARANOL 54-E
an extremely hard, modified phenolic, very pale and soluble in mineral spirits.
PARANOL 1650
a low-priced modified-maleic resin, pale and hard.
and Roll out Better Finishes

PARAMET SYNTHETIC RESINS

SAMPLES AND DETAILS AWAIT YOUR REQUEST.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

R. W. Greeff & Co. Inc. RWG New York, U.S.A.

INDUSTRIAL AND PHARMACEUTICAL
Chemicals

ACETONE
ALLYL ALCOHOL
ALLYL CHLORIDE
BUTYL ALCOHOL
(Secondary)
BUTYL ALCOHOL
(Tertiary)
DIACETONE
ISO PROPYL ALCOHOL
ISO PROPYL ETHER
METHALLYL ALCOHOL
METHALLYL CHLORIDE
METHYL ETHYL KETONE

Selling Agents for Shell Chemical Co.

R.W. GREEFF & CO.
10 ROCKEFELLER PLAZA, NEW YORK CITY

Fillers and Extenders

Asbestos. — Normal movement of stocks. Spot demand light. Prices firm.

Asphaltum.—No new developments. Normal market reported. Prices steady.

Barytes. — Seasonal movement of stocks, with slight trade pick-up reported in several quarters. Prices firm and unchanged.

Blanc Fixe.—Consumers more active. Shipments light. Prices firm.

Charcoal.—Softwood material moving satisfactorily. Prices steady.

China Clay.—Trade routine. Price firm.

Graphite.—Conservative buying reported. Shipments routine. New buying interest light. Prices firm and unchanged.

Gypsum.—Market showing signs of improvement. Prices steady.

Whiting. — Better demand. Prices steady.

Naval Stores

The tone of southern and local markets for rosin and turpentine showed improvement last week, the tendency of prices being upward at times. Changes in rosin quotations were comparatively narrow as a rule though low grade displayed rather noteworthy strength at one time as offerings were light while demand increased. Supplies of government controlled rosin were still available but offerings from other sources were rather light at times, the reserved attitude of some holders being attributed to the recent decline in values.

In addition to an improvement in new business, an increase was noted in some quarters in the movement to consumers and dealers on contracts previously placed, this applying not only to rosin but to turpentine as well. Estimates of consumption continued to be revised upward as a result of the expanding defense program and the prospects of an increase in the requirements of raw materials of various kinds in the industries which are expected to participate extensively in the defense measures.

Meantime receipts at primary points continued to run bleow expectations. Last week temperatures in parts of the South were abnormally low for this period and it was contended by some that unless weather conditions during the next six or eight weeks are unusually favorable for operations in the woods, estimates of production for the reason may have to be further revised downward.

Turpentine.—The local situation continued to be featured by a steady or firm tone in company with the primary market where offerings were moderate and demand more active. Business here improved to the extent that orders and inquiries were received more numerously though the purchasing was still limited as a rule to comparatively small quantities to fill the current needs of consumers and dealers.

SAVANNAH, Sept. 13.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
*Saturday..	...	...	...	...	.....
Monday.....	25¼	8,100	256	21	15,076
Tuesday ...	25¼	3,850	239	248	15,067
Wednesday..	25¼	2,800	200	...	15,267
Thursday...	25¼	...	119	142	15,244
Friday.....	25	1,450	144	68	15,320

* No trading.

JACKSONVILLE, Sept. 11.—Turpentine stocks, 28,165 barrels.

PENSACOLA, Sept. 7.—Turpentine receipts 654 barrels; shipments 455; stock 10,813.

Chicago—Sept. 13

Turpentine buying continued conservative. Five-drum lots, 36c. per gallon; five wood barrels, 42c.; single drums, 39c.; single barrels, 44c.

Rosin.—The local market was more active last week. No material change in the character of business was reported, many consumers and dealers still being disinclined to anticipate to any marked extent, but an increase was noted in the request for small or moderate quantities for prompt shipment. The prevailing tone was steady or firm.

SAVANNAH, Sept. 13.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.25	$1.25	$1.30	$1.30	$1.30
D	...	1.35	1.36	1.36	1.36	1.36
E	...	1.50	1.50	1.51	1.52	1.64
F	...	1.58	1.59	1.60	1.60	1.62
G	...	1.58	1.59	1.59	1.60	1.62
H	...	1.58	1.59	1.59	1.60	1.62
I	...	1.58	1.59	1.59	1.60	1.62
K	...	1.58	1.59	1.59	1.60	1.62
M	...	1.61	1.62	1.62	1.63	1.63
N	...	1.76	1.76	1.76	1.76	1.76
WG ..	...	2.12	2.12	2.12	2.12	2.12
WW ..	...	2.41	2.43	2.43	2.45	2.45
X	...	2.45	2.45	2.45	2.45	2.45
	Barrels					
Sales....	...	357	183	262	214	32
Receipts.	...	882	1,281	875	493	576
Shipments	...	510	553	2,479	1,100	447
Stocks....	...	...	...	...	...	158,920

* No trading.

JACKSONVILLE, Sept. 11. — Rosin stocks 314,794 barrels.

PENSACOLA, Sept. 7.—Rosin receipts 1,234 barrels; shipments, 1.014; stock, 47,733.

Chicago—Sept. 13

Buyers of rosin are inclined to limit their takings to necessitous orders. B grade, $2.45 per hundred pounds net; G grade, $3.08; M grade, $3.12; W.W. grade, $3.68.

Other Naval Stores

Pine Oil.—Quotations held at previous levels. Tone firm. Consumption in some fields reported increasing. New business better last week.

Pitch.—Increase reported in demand for moderate lots on spot. Supplies apparently light or moderate. Market firm.

Rosin Oil. — Buying interest stimulated to some extent by recent developments in primary market for rosin. Tone firmer.

Tar.—Selling schedules held at previous levels. Market firm with increased movement on contracts and transient orders.

Lacquer Materials

Prices for practically all important lacquer materials and solvents will remain firm for the fourth quarter. Sellers were booking business for the balance of the year at current levels, and relieved much of the uncertainty surrounding prices in many items. The general position of the market was firm. Shipments for the most part have been steady and volume was expected to expand over the balance of the year. Operations in the automotive industry were broadening in line with seasonal trend. Some benefits were expected to be derived from the National Defense Program, but so far nothing tangible has been forthcoming. Export inquiry was moderate, but shipments have declined a great deal from earlier in the year. Acetone continued to be taken by England in sizable quantities, but movement to other parts of Europe have been cut off by the war.

Acetone.—Prices remain firm. Shipments steady. July exports 1,509,852 pounds, valued at $105,604, of which 1,158,956 pounds went to the United Kingdom.

Alcohol, Butyl.—No change in secondary and normal quotations. Business moderately active. July exports 290,575 pounds, valued at $30,795.

Butyl Acetate.—Buying continued favorable, and position of market firm. July exports 71,555 pounds, valued at $6,147.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

THREE STEPS TO

Flat Wall Paints

WITH BETTER WASHABILITY

1

SELECT a lithopone having good sealing properties. Many paint manufacturers prefer Albalith 73. It not only improves enamel holdout, but is easy wetting and yields non-settling flats of medium body. Another Albalith you can use is 95 (medium-high consistency).

2

KEEP pigment-fixed vehicle (PFV) ratio at a fairly low level. High pigment efficiencies (maximum number of square feet of hiding power per dollar of opaque pigment) are usually reflected in poorer sealing and washing properties. A New Jersey zinc representative can show you how this yardstick applies to your paint.

3

CHOOSE a good wetting vehicle. Albaliths 73 and 95 with their superior wetting properties make the job of obtaining a non-porous paint film structure easier to accomplish. And for the same reason, Albaliths 73 and 95 are exceptionally valuable in enamel undercoaters and to improve enamel holdout.

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*For more of this story, write for a copy of "A Practical Hiding Power Comparison", describing tests on 95 commercial flat wall paints.

ALBALITH 73·95 LITHOPONES

THE NEW JERSEY ZINC CO., 160 Front Street, New York

Cellulose Acetate. — Shipments maintained at moderate levels. Price-wise a firm tone prevailed.

Dibutyl Phthalate.—Steady call for nearby needs the rule. Prices unchanged and firm.

Dichlorethyl Ether. — Consumers made their appearance steadily. Nothing new occurred in the quotations, and tone was firm.

Dimethyl Phthlate.—Buying routine. Prices lacked any change.

Ethyl Acetate.—Spot and contract purchases moderately active. Prices continued firm.

Ethylenegylcol.—Movement to various consuming channels regarded as satisfactory. Prices were well maintained.

Isopropyl Acetate.—Firmness characterized the trading, while commitments were steady in most directions.

Methyl Acetate.—Replacement buying against contracts steady. Prices were unchanged and firm.

Nitrocellulose.—Demand good. Market position firm, and quotations unchanged.

Tricresyl Phosphate.—Prices firm. Moderate buying reported.

Triphenyl Phosphate. — Business routine. No change disclosed in the prices.

Shellac

Cables offering shellac from the Calcutta market reached the spot irregularly last week. At times no cables at all was a general rule, but the occasional advice that did reach the spot showed the market there to be holding very steady. At the moment not a great deal of interest was shown locally in placing business at the source. August arrivals were large and apparently provide a cushion against consuming demand for the time being at least. Local quotations were steady to firm and competition was restrained.

Dry Colors

Bone Black.—Price unchanged for last quarter delivery. Demand fair.

Carbon Black.—Price unchanged for last quarter delivery. Shipments heavy during week and new buying interest reported.

Cadmium Colors.—Demand showing signs of pick-up. Shipments against contract at higher levels. Prices firm and unchanged.

Carmine No. 40.—Better movement. Shipments at good level. Price firm and unchanged.

Chrome Colors.—Business satisfactory. Inquiries more numerous. Prices steady and unrevised.

Iron Blues.—Market firm with prices continued through last quarter. Demand at good level and shipments fairly heavy.

Lamp Black.—Prices continued for last quarter delivery. Demand fair.

Mercuric Oxides.—Prices firm and unchanged. Demand slightly better.

Ocher.—Prices continued through last quarter. Demand good.

Sienna.—Buying interest reported at higher level. Shipments heavier. Prices firm and continued through last quarter.

Umber.—Contract prices extended through last of year. Demand good during period under review.

Ultramarine.—Normal movement of stocks reported. Shipments not exceedingly heavy, but regular. Prices firm and unchanged.

Vermilion.—Demand continued to improve and prices were held to previous high levels.

Driers

Stearates and palmitates were moving fairly well on contract and although shipments were not heavy, they were regular. There was little change in the market position of other materials. All prices were firm and unrevised.

Varnish Gums

Copals. — Narrowing of available markets caused sharp reduction in 29 types of copal gum last week. The reduction ranged from ¼c. to 2¼c. per pound.

Dammar.—Prices were unchanged, but were not considered firm. Demand was slightly better.

Elemi.—Reduced 2c. per pound to 8½c. Demand fair.

Synthetic Resins

The demand for ester gums was only fair during the week under review, although more numerous inquiries indicated an increase of shipments for the near future. Indications were that present prices would be extended for last quarter delivery.

Bronze Powders

Aluminum powders and paste continued to be active market items with demand at good levels. Prices were firm and unchanged during the week and will undoubtedly hold through the remainder of the year unless there is a drastic change in the position of the base metal.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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CHICAGO Fred A. Jensen	LOS ANGELES A. J. Lynch & Co.	PHILADELPHIA Geo. A. Rawley Co.	SEATTLE Carl F. Miller & Co.
			TORONTO A. S. Paterson

Paint, Varnish, Lacquer Sales Up

The value of paint, varnish, lacquer and fillers sold in July, as reported by 680 establishments to the Bureau of Census, was $35,553,580. Details of sales reported by these establishments and comparative data for 1939 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments: Trade sales of paint, varnish, and lacquer.	Industrial sales: Total.	Industrial sales: Paint and varnish.	Industrial sales: Lacquer.	Unclassified sales reported by 100 establishments.
1940.						
January	$28,666,635	$13,549,867	$12,317,340	$8,369,445	$3,947,895	$2,799,428
February	26,537,573	13,042,764	11,146,277	7,584,649	3,561,628	2,348,532
March	31,592,093	16,144,606	12,639,821	8,681,802	3,958,019	2,807,666
April	37,656,398	20,188,957	13,849,723	9,851,848	3,997,875	3,617,718
May	43,463,222	24,943,448	14,150,310	10,146,311	4,003,999	4,369,464
June	37,897,861	21,718,413	12,582,231	9,052,581	3,529,650	3,597,217
July	35,553,580	19,573,840	12,732,233	9,611,083	3,121,150	3,247,507
Total (7 Mos.)	$241,367,362	$129,161,895	$89,417,935	$63,297,719	$26,120,216	$22,787,532
1939.						
January	$25,166,042	$12,496,706	$10,269,334	$6,942,879	$3,326,455	$2,400,002
February	25,399,464	13,145,314	10,019,901	6,777,622	3,242,279	2,234,249
March	32,888,357	17,656,995	12,112,220	8,278,015	3,834,205	3,119,142
April	33,999,205	18,862,040	11,843,829	8,581,577	3,262,252	3,293,336
May	41,853,977	25,436,932	12,578,360	9,259,538	3,318,822	3,838,685
June	38,504,857	22,341,180	12,585,957	9,328,873	3,257,084	3,577,720
July	30,758,617	17,215,946	10,713,443	7,982,902	2,730,541	2,829,228
Total (7 Mos.)	$228,570,519	$127,155,113	$80,123,044	$57,151,406	$22,971,638	$21,292,362
Total (year)	$394,508,431	$213,749,249	$144,097,231	$102,405,167	$41,692,064	$36,661,951

Glues and Binders

Casein.—The tone of the market continued to reflect steadiness, although there was no noticeable pick-up in buying interest. Both the domestic product and the Argentine material continued firm and unchanged.

Glues.—Hide and bone glues held the firmer tone reported two weeks ago. Demand was slightly better and shipments heavier.

Plastic, Coldwater Paint Calcimine Sales Mixed

Sales of plastic and cold-water paints and calcimines reported by sixty manufacturers to the Bureau of Census for July, 1940, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste	168,418	$19,496
Dry, casein bound	308,036	20,463
glue bound	125,922	6,577
Totals	602,371	$46,536

Cold-Water Paints

	Pounds.	Value.
Exterior, lime or cement-bound	1,119,607	$76,849
casein bound	308,285	17,363
Interior, casein-bound, paste or semi-paste form	242,074*	250,839
dry-powder form	1,322,623	97,690
glue-bound	281,809	7,206
Totals	.....	$449,947

* Gallons.

Calcimines

	Pounds.	Value.
Hot water	2,003,354	$77,577
Cold water	2,548,248	115,275
Totals	4,551,602	$192,852

Sales of these products for July compared with the corresponding period of 1939 were as follows:—

		1940.	1939.
Plastic paints	lbs.	602,371	554,701
	value.	$46,536	$43,749
Cold-water paints	value.	$449,947	$383,069
Calcimines	lbs.	4,551,602	4,855,080
	value.	$192,852	$206,090

N.W.D.A. Transportation Arrangements Completed

Transportation arrangements to the sixty-sixth annual convention of the National Wholesale Druggists Association, to be held in White Sulphur Spring, September 28-October 2 have been completed by the association's committee on rates and routes of which Robert B. Magnus, of Magnus, Mabee & Reynard, Inc., this city, is chairman.

The Eastern railroad schedule calls for the train to leave Pennsylvania railroad station, this city, September 27, at 6:30 p.m., E.S.T., stopping at Newark, North Philadelphia, 30th street station, Philadelphia, Baltimore and Washington. The train will arrive in White Sulphur Springs, 6:05 E.S.T., September 28.

Western members attending the convention will leave Chicago and St. Louis September 27, by way of the Big Four, in conjunction with the Chesapeake & Ohio as per the following schedule on Central Standard Time:—Leave Chicago, 1:45 p.m.; St. Louis, 12:05 p.m.; Indianapolis, 5:40 p.m., and Cincinnati, 9:45 p.m. Eastern Standard Time.

R. A. Whidden, of the Bauer & Black division of the Kendall Company, Chicago, is vice-chairman of the committee.

N. Y. Paint Club Names Committee Chairmen

The first Fall meeting of the New York Paint, Varnish & Lacquer Association was held September 12 at the Hotel Biltmore, this city. Prior to the meeting, Ernest T. Trigg, president of the national association, advised C. F. Beatty, president of the New York club, that the national group had offered its services to the government in the defense program and will put government needs on a preference basis.

Named as chairman of standing committees for the coming year were the following:—

Trade sales, Ralph Everett, of the Keystone Varnish Company; industrial sales, Paul S. Kennedy, of the Murphy Varnish Company; program and entertainment, Page N. Hamilton, of the Harshaw Chemical Company; membership, Samuel Klein, Calco chemical division of the American Cyanamid & Chemical Corporation; production, Everett J. Cole, of the Manufacturers' Varnish Company; clean-up and paint-up, A. E. Horn, of the A. C. Horn Company; constitution and by-laws, H. M. Howard, of the Thiebout-Walker Company; credits and collections, Martin J. Weinstock, of M. J. Merkin & Company; legislative, Olav J. S. de Brun, of the Egyptian Lacquer Manufacturing Company; publicity, Maurice W. Butler, of the *American Paint Journal;* raw materials, J. P. Dunphy, of The New Jersey Zinc Company; traffic, J. A. Winzenried, of the Devoe & Raynolds Company; and transportation, G. Austin Wharry, of the J. A. Wharry Company.

It was announced that the annual Christmas party, held in conjunction with the New York Paint and Varnish Production Club, will be December 12 at the Hotel Biltmore.

N.Y. Production Club to Hear Smith at First Fall Meeting

R. J. Smith, president of the Federation of Paint & Varnish Production Clubs, will be the guest of honor at the initial Fall meeting of the New York chapter to be held September 18 at the Building Trades Employers' Association, 2 Park avenue. Another guest, H. C. Woodruff, research director for France, Campbell & Darling, Inc., Kenilworth, N. J., will discuss "New Developments in Ester Gum." Henry W. Gabor, safety director of the State Insurance Fund, will speak on "Accident Prevention as Related to Paint and Varnish Manufacture."

Glidden Co. Making Powdered Iron

The Glidden Company, paint manufacturer, Cleveland, has started production of powdered iron on a commercial basis at its Hammond, Ind., plant under a new continuous process. P. E. Sprague, vice-president, said he believed Glidden could make the substance at a cost comparable to the price of Swedish powdered iron and in sufficient quantity to equal the amount heretofore imported from Sweden. It was estimated that from 1,000 to 2,000 tons were used annually in the United States.

V. J. Dolan & Co., wood finishing supplies, Chicago, has started construction of an addition to its plant, which will include a laboratory, finishing room and added office space.

Lead-Zinc Industry Future

—*Continued from page 5*

for the world as a whole, it is not true of lead in the United States, for in no years of the '30s has consumption equalled the 685,000 tons of 1926. Zinc has been gaining and has passed lead in volume of production and use in the United States, and further, if we include zinc oxide and dust produced directly from ore, zinc has passed lead in the world markets.

During this period we have seen a reversal of the old price relationship where zinc sold for more than lead, to one in which lead has been selling for more than zinc, yet nearly 40 percent of the zinc production comes from the same mines that produce lead. A possible explanation for this anomaly is that, in spite of published figures, an undoubted surplus of zinc concentrates has been produced. This is suggested on page 74 of the American Bureau of Metal Statistics 1939 yearbook, that although there was an apparent balance in production of zinc and zinc content of ore, nevertheless, some of the larger companies report to their stockholders substantial tonnages of concentrates on hand in 1936, 1937, and 1938, with stocks each year larger than the year previous. The same is true of some of the South American and Mexican properties. This lower zinc price is particularly noteworthy, as the cost of smelting zinc is apparently between four and five times as great as that of smelting lead. This smelting comparison is made not by the study of the cost accounts of various zinc and lead smelters, but by a study of competitive smelting contracts in the two metals, which often gives one a truer picture than the most elaborate study of accountants' figures. For instance, the fact that high-grade zinc concentrates from the Park Utah district and from Metalline Falls must seek a market in the fire smelters of the Middle West rather than at the electrolytic smelters in Idaho and Montana, is fairly definite evidence that without high precious metal values, the electrolytic conditions cannot compete with the fire smelter.

Position of Lead

A year ago, in speaking on lead in southeast Missouri, I called attention to the difference between the situation in 1939 and in 1914, which was due to the increased capacity of the mines of the British Empire and the probable stoppage by blockade of shipments of metal or concentrates to the Continent of Europe. I predicted that far from being a shortage of lead in the world outside the Continent of Europe, there was likely to be a surplus. For nearly two months it looked as if I would be proved a false prophet, and had St. Joseph Lead Company not been possessed of a large stock of lead in September, 1939, there would have been a runaway market. Many responsible statistical bureaus had given advice of this sort, "While we do not expect a shortage of lead, zinc or copper, it would be as well to be on the safe side and lay in a year's supply!" If everyone does this in any commodity, there develops a real shortage.

Not only was there a tremendous demand in the United States, but very high prices were being paid in Belgium, Holland, Scandinavia, and Japan for pig lead. By the early part of December, however, conditions began to right themselves, and it became apparent that more lead was being produced in Mexico than could be sold; the quoted price in Tampico for Mexican lead has been dropping ever since, and September 4 was 2.41 cents per pound, equivalent with freight and duty to 4.85 cents at New York. Our government figures show that from January through July, 100,000 tons of pig lead were imported into this country from Mexico alone. Lead ore has also been coming into this country for smelting from South America, Australia, and Canada. Our domestic statistics of stocks on hand do not include all this imported metal and concentrates. The figures are, however, available to the trade in the reports of the Bureau of Foreign and Domestic Commerce. It is evident that, with over 100,000 tons of foreign pig lead and at least 25,000 tons of recoverable foreign lead in concentrates in the United States, any substantial increase in our domestic price would result in this lead coming into our market. Our consumers should regard this as a certain guarantee against much higher prices.

The effect of the war, primarily the effect of the blockade, has been to shut off practically all of Europe as a customer for the products of the rest of the world. Since April, Belgium, Denmark, France, Holland, Italy, Norway, Sweden, and Switzerland have all been added to the countries which are being blockaded by the British. In 1938, which is the last year for which we have complete figures, these countries used 392,000 metric tons more lead than their mines produced—in other words, 392,000 tons of lead or lead in concentrates was necessary to make the balance. About 90,000 tons of lead in concentrates from the British Empire, Mexico, and South America were smelted in countries now cut off by blockade, but the great bulk of their imports was lead which was smelted in Mexico, Australia, and Canada. The smelting capacity of the United States is ample to take care of all that the United States mines can produce together with the ore which formerly went to Belgium and Germany if the price should warrant its importation. However, nearly 400,000 tons of lead annually has lost a buyer. It is hardly conceivable that countries outside the blockade can absorb any such additional amount. Like copper, cotton, and grain, there is a glut of lead.

Position of Zinc

Zinc presents a different picture. To make it plain, I must use the year 1938 for which we have fairly reliable figures for the whole world. Outside the United States, production and consumption of metal was, in round figures, 1,100,000 metric tons. I am dividing this into four factors and allocating it between the countries inside and outside the blockade:—

	Metric tons		
	Outside.	Inside.	U.S.A.
Production	400,000	700,000	414,000
Consumption	389,000	634,000	375,000
Smelter capacity	434,000	823,000	740,000
Ore supply	650,000	450,000	492,000

It will be seen that production, consumption, and smelter capacity in countries outside the blockade were roughly in balance, but that the countries inside needed 250,000 tons of zinc in ore from outside. More zinc was used in 1939 than in 1938, though just how much more we do not know.

At the present time the capacity of the United States zinc smelters is being used to the extent of about 61,000 short tons a month. The American Bureau of Metal Statistics figured that their total capacity was 814,000 short tons a year, or 68,000 tons a month. So we apparently have here in the United States idle capacity of some 7,000 short tons a month. I say apparently idle, for undoubtedly it will require time and money to get this capacity into production. But the fact that the Evans-Wallower plant in East St. Louis is being reconditioned is an evidence that undoubtedly arrangements will be made in the direction of increased U.S.A. smelting production. But any large increase is too hazardous a venture, for the end of the war must see foreign concentrates moving once more to their natural smelting points.

The Outlook

To summarize:—So far as the immediate future is concerned, there is no statistical reason for further weakness in the price of lead. American consumption is apparently running at a sufficient volume to absorb United States mine production, plus the lead coming from the smelting of imported ores. There is no room in this market, however, at the present time for any of the large accumulation of pig lead which has been brought into the country in the form of pigs and bars. But, any higher domestic price would undoubtedly see some or all of this material sold in our market. Apparently the present Tampico price of 2.41 cents has resulted in some curtailment of Mexican production, but just how far this curtailment will or can go without expropriation of the mines by the Mexican government remains to be seen.

So far as zinc is concerned, there is no such backlog of refined metal. But the situation is no way near as tight as it was in the last war, for the British Empire's capacity in Australia, Canada, and Great Britain itself has been increased since that time by nearly 200,000 tons per annum. It seems improbable that while the war lasts, there will be as great a demand for zinc for war purposes as in 1915-16, for although the airplane and the antiaircraft gun use large amounts of ammunition, the amounts are trifling

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compared to what was shot away on the Western Front twenty years ago. It is interesting to note that 3,000,000,000 rifle and machine-gun cartridges, all the United States made in the last war, require only 13,000 tons of zinc. My own feeling is that the present demand is partly due to fear of a future shortage, with attendant higher price, and the consequent effort of many buyers to stock more than their immediate requirements. The method of selling high-grade zinc by contracts containing options for much larger amounts than are normally consumed, has made this possible, so that at times when some people are really short of zinc there are large stocks in the hands of producers but owned by consumers. Common sense in the next few months on the part of both buyers and sellers of zinc is necessary if the industry is to avoid the bad effects of a runaway market. The fact that there is a large excess supply of concentrates available should relieve the buyers' fears of a future shortage.

Sometime the war is coming to an end, and when it does, there will be much destroyed property to be rebuilt, much delayed maintenance to be undertaken, and with real peace, there should be increased demand for all of the nonferrous metals. The mine capacity of the world is ample and transportation with the end of the war should be ample too. The convoy system requires three times as long for a voyage as the peacetime system, which means that the world tonnage in peacetimes is three times as efficient as in wartime. Lead and copper may be in an immediately better position on the expiration of hostilities, but as to zinc, the opening up of the blockaded smelters may result in a large overproduction of zinc metal. But here also, the healthy growth of the zinc industry in the past ten years augurs well for the longer future.

F.T.C. Hits Discounts On "Split Business"

—Continued from page 4

cording to the complaint, occurs when the price to a customer is based upon his requirements and not upon the actual quantity purchased from the respondents. The complaint alleges that the respondents grant a 5 percent discount to customers whose purchases of salt during a consecutive twelve-month period equal or exceed $50,000. This discount, the complaint continues, is allowed to customers who do not purchase $50,000 worth of salt from the respondents in a consecutive twelve-month period, provided that such customer's total purchases of salt from all sources total $50,000 during such period.

The complaint alleges that the respondents "combine selling" discount consists of selling salt to an individual customer where the delivery is made to several branches or outlets of the individual customer at prices based on the total quantity or volume delivered to all of the separate branches or outlets, provided that the total quantity or volume so delivered during the consecutive twelve-month period amounts to $50,000 and is not based upon the quantity or volume delivered by the respondents to the respective branches or outlets of the individual customer.

B. F. Goodrich Company, Akron, Ohio, has placed on the market a new flexible nozzle for gasoline hose, made of synthetic rubber and constructed so that it discharges static electricity by providing a ground and thus prevents any dangerous sparks.

Oils, Fats, and Waxes

August Cottonseed Oil Consumption Up—Prices Easier With Outside Markets — Cotton Estimate Sharply Increased —Flaxseed Figures Raised—Animal Oils Higher

There were fewer changes in quotations on miscellaneous oils, fats and greases last week. Such as occurred were advances, however, and the tone of the market in general was steady. After showing improvement in the previous week, business fell off last week, the slowing down apparently being due to what was regarded as less favorable war news from abroad and to weakness at times in the markets for securities and some speculative commodities. Three government reports of importance were issued during the week. One of these, the monthly cottonseed report, was bullish, while the others, estimates of the cotton and flaxseed crops, were bearish.

Chinawood Oil

The local chinawood oil situation continued to be featured by a firm tone. There was little to record in the way of activity. A fair volume of inquiries was reported in some quarters, but no transactions of importance were noted as offerings continued light on spot and for arrival from abroad. Supplies of oil in the hands of independent importers were still limited, some sellers not being in a position to offer. Los Angeles reported the arrival of 10,500 pounds from China. San Francisco received 145 drums, and New York 100 drums.

Vegetable Oils

Castor, Dehydrated. — New buying generally conservative. Steady contract movement. Quotations maintained.

Coconut.—Crude steady. Offerings light. Fair inquiry. Refined demand somewhat better. Quotations stationary.

Corn. — Crude quieter. Offerings small. Tone steady. Refined demand fair. Corn crop estimated by government, 2,297,186,000 bushels; last year, 2,248,246,000.

Cottonseed. — Edible oil quotations maintained. Fair demand for moderate quantities.

Oiticica.—Firm with competing products. Fair inquiry. Offerings light, spot and arrival.

Olive.—Good inquiry for denatured. Offerings light. Future supplies uncertain. Quotations nominal.

Peanut. — Offerings limited. Tone firm. Fair inquiry. Peanut crop estimated by government at 1,511,150,000 pounds; last year. 1.521.705,000.

Perilla.—Tone firm. Fair inquiry. Spot supplies light.

Rapeseed.—Refined in light supply and firm. Trade quiet.

Soybean. — Quotations generally maintained. Steady contract movement. New business fair. Production of soybeans for beans estimated by government at 85,509,000 bushels; last year, 87,409,000 bushels.

Trading in soybean oil futures on the New York Produce Exchange from September 7 to September 13, inclusive, consisted of 23 contracts, a total of 1,380,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close
January	4.44	4.33	4.30@4.36
March	4.49	4.48	4.31@4.38
April	4.47	4.47	4.31@4.38
May	4.52	4.36	4.36 sale

Markets at Other Centers

Chicago, Sept. 13.—Improvement in vegetable oils is being maintained on a fairly good volume of business.

COCONUT.—Crude, Pacific Coast, September-forward, 2⅜c. per pound. Refined, edible oil, 7½c. to 8c. per pound, drums, car lots; and 8c. to 8¼c., drums, less than car lots.

CORN.—Crude, low acid, 5¼c. to 5⅜c. per pound. Refined, edible oil, 7¾c. to 8¼c. per pound, drums, car lots; and 8¼c. to 8½c., drums, less than car lots.

PEANUT.—Crude, South, 5½c. per pound.

SOYBEAN.—Crude, 4c. to 4⅜c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Sept. 13.	Closing Sept. 6.
October	$0.76¼	$0.73⅜	$0.74¼	$0.75
December	.76¾	.74⅛	.74½	.75⅜

San Francisco, Sept. 11.—Vegetable oil prices being maintained at current levels and buyers are more disposed to take on supplies.

Ruling prices are:—

COCONUT.—Quoted 2⅜c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Buying interest good. Market firm. Copra 1.40c. to 1.45c.

CHINAWOOD.—Quoted on basis of 25c. to 25¼c. per pound in tankcars, f.o.b. San Francisco. Movement fair. Inquiry good.

OITICICA.—Raw, liquid oiticica oil 19½c. per pound in drums, f.o.b. San Francisco.

COTTONSEED. — Domestic bleachable oil 6c. per pound in tankcars, f.o.b. northern California mills.

PERILLA.—Quoted 16½c. per pound in tankcars, duty paid, f.o.b. San Francisco.

RAPESEED.—Japanese oil, refined, denatured, 8c. per pound in tankcars, duty paid, f.o.b. San Francisco.

Price Changes

Advanced

Carnauba wax, No. 3 chalky, 2c. per lb.
No. 3 North Country, 2c. per lb.
No. 1 yellow, 2c. per lb.
No. 2 yellow, 2c. per lb.
refined, 2c. per lb.
Lard oil, ½c. to ½c. per lb.
Neatsfoot oil, ¼c. to ⅜c. per lb.
Tallow oil, ½c. per lb.

Reduced

Ceresin wax, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
95.2	95.0	94.6	102.2

Market news that may have developed after this report was sent to press will be found on page 4.

Linseed Oil

Domestic flaxseed prices irregular. Linseed oil steady. Meal easier.

Flaxseed—DULUTH, Sept. 13.—Receipts of flaxseed have picked up materially since the let-down following Labor Day week-end. More than 300 cars arrived on the first two days of this week alone and elevator stocks have climbed. Despite the bigger arrivals cash prices have been holding. Bullish reports on the new crop outlook in Argentina attracted notice. The week's closing price range was as follows:—

	Cash.	Sept.
Saturday	$1.50½	$1.50
Monday	1.52½	1.49½
Tuesday	1.52	1.51
Wednesday	1.51	1.49½
Thursday	1.48	1.48½
Friday	1.49½	1.48½

Crop movement in bushels follows:—

	Receipts— 1940.	1939.	Shipments— 1940.	1939.
This week	551,637	629,755	267,281	149,705
Since Aug. 1.	3,368,932	1,781,944	850,570	641,318

MINNEAPOLIS, Sept. 13. — Crushers are picking up the best seed at top premiums; elevator buyers take most anything they can get on a scale, according to weight and damage. Currently the best seed is coming from northern territory and owing to the fact that Argentine flax is now pressing at our eastern seaboard the diversion point demand is less active.

Quite a large proportion of the southern seed is now showing damage or excess moisture. Weight test runs down to 33 pounds. Harvest weather in the northern area was much more favorable and to date quality of this northern seed has been good, testing from 51 to 52 pounds and showing good oil yield.

Tenders on September contracts topped anything expected by the trade and up to the close of today's session totaled 1,328,000 bushels.

The government estimate of the crop issued late Tuesday was much more optimistic than the trade expected. Without harvest damage and consequent reduction in weight test and quality the official estimate might be regarded as reasonable, but because of the damage sustained from late rains the trade looked for a lower estimate.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.49½	$1.50½	$1.54½
Monday	1.52	1.52	1.54½
Tuesday	1.52	1.53	1.57½
Wednesday	1.51	1.51	1.55½
Thursday	1.49	1.49½	1.54
Friday	1.49½	1.48½	1.53

Crop movement in bushels follows:—

	Receipts— 1940.	1939.	Shipments— 1940.	1939.
This week	2,633,400	558,600	84.800	84,000
Since Sept. 1.	3,567,200	1,593,200	136,500	229,600

WINNIPEG, Sept. 13.—The week's closing flaxseed price range was as follows:—

	Cash.	Oct.	Oec.
Saturday	$1.26¾	$1.27	$1.26¾
Monday	1.25¼	1.25½	1.25
Tuesday	1.24¼	1.24¼	1.24
Wednesday	1.24½	1.24½	1.24
Thursday	1.24½	1.24½	1.24
Friday	1.25½	1.25½	1.25½

BUENOS AIRES, Sept. 13.—No quotations on exports. Shipments since January 1 as follows:—

To—	Bushels— This year.	Last year.
United States	8,782,000	11,287,000
United Kingdom	5,837,000	2,063,000
Continent	11,856,000	19,332,000
Orders	606,000	7,944,000
Others	1,042,000	2,473,000
Totals	28,123,000	43,099,000

Visible Supply

	Bushels.
Last week	5,118,000
Previous week	5,118,000
Last year	5,543,000

Linseed Oil.—A steady tone prevailed in the local market for linseed oil, quotations being maintained at previous levels. So far as new business was concerned the market was quiet, especially as the government flaxseed crop report proved to be

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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more bearish than had been expected, the estimated yield as of September 1 being increased by the government to more than 30,000,000 bushels. Withdrawals of oil on contracts previously placed held up well here and similar reports were received from outside points. Receipts of flaxseed in Northwestern markets showed an increase, but the offerings were well absorbed by crushers and cash interests.

MINNEAPOLIS, Sept. 13.—Oil trade is fair to good with buyers contracting for supplies up to next April. Crop damage news from the northwest and final arresting of the Argentine decline without government support tended to make the consumers less bearish. Paint trade is good and buying of the defense commission helped to make a better situation. In all, business is better than the trade expected.

Mills are operating up to 90 percent of capacity and probably will be up to 100 percent within a week.

Quotations on carload lots f.o.b. Minneapolis, tankcar lots, 7.7c. per pound, cooperage, 8.3c. per pound, and warehouse lots, 8.7c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	4,250,000	3,420,000
Since Sept. 1	7,650,000	6,960,000

SAN FRANCISCO, Sept. 11.—Linseed oil quiet. Tankcars, 7.9c. per pound; drum car lots ex mill, 8.5c.; drum lots ex warehouse, 8.9c.

CHICAGO, Sept. 13.—Linseed oil movement is a little better in some cases. Tankcar, 7.7c. per pound; car lots, 8.3c., drums; less car lots, 8.7c.

Cake and Meal.—Meal fairly active. Sales of 32 percent at $23.50 per ton, September forward. Cake dull.

MINNEAPOLIS, Sept. 13.—Demand for meal is better than expected and there are no offerings of consequence for shipment during the rest of the year. Quotations on carload lots f.o.b. Minneapolis, 100 lb. sacks, $24 to $24.50 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	6,400,000	4,720,000
Since Sept. 1	10,840,000	8,640,000

CHICAGO, Sept. 13.—Orders for linseed meal have been attaining good proportions and the tone of the market is a little better than recently. Round lots, $24.50 per ton, largely nominal; car lots, $25 to $25.50; less than car lots, $26.50 to $27.

Cottonseed Oil

Cotton crop estimate sharply increased by government. Cottonseed products easier.

Cottonseed Oil. — The tendency of refined oil futures was downward at times last week. Changes were within comparatively narrow limits, but the undertone for the time being at least was easier in company with outside markets. Also the war news was regarded as less favorable, causing liquidation by recent buyers and leading to more or less short selling. Hedge pressure showed some increase. Another bearish influence was the monthly government report on the cotton crop, the indicated production as of September 1 being 12,772,000 bales, an increase within a month of 1,343,000 bales.

According to the government the indicated yield of cotton per acre is 250.7 pounds, which is the highest on record with the exception of 1937, when it was 269.9 pounds, and the production for that season was 18,250,000 bales. The government stated that influences affecting growth were unusually favorable during August and conditions improved more during that month this year than in any year on record. Weevil damage for the belt as a whole is expected to be approximately one-third less than average. The quantity of cotton ginned to September 1 this year was 606,291 bales, against 1,401,691 bales in the same time last season, the decrease this year being attributed to the lateness of the crop.

The monthly cottonseed report from the Census Bureau was more favorable from the bullish viewpoint than had been expected. The indicated consumption of refined oil during August was 292,000 barrels. This compared with 246,000 barrels in July and 297,000 barrels in August last year. Southern markets for crude oil were quiet and easier. Offerings continued light, but with picking active and the movement of seed on the increase, an expansion in operations at the mills is expected shortly. Vegetable products which compete with cottonseed oil were generally steady. Receipts of hogs at some points in the West were larger. The weight of the hogs received in Chicago during the week ended September 7 averaged 227 pounds, against 228 pounds in the previous week and 233 pounds in the week before that.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from September 7 to September 13, inclusive, consisted of 678 contracts, a total of 40,680,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
September	5.65	5.46	5.44@5.49
March	5.94	5.65	5.67@5.68
January	5.85	5.59	5.58@5.59
October	5.75	5.44	5.45@5.46
December	5.80	5.55	5.56 sale

Crude, Southeast, .04½c. nom.

Cake and Meal.—Meal reported fairly active. Tone easier in some sections owing to depressing crop news. Offerings continued light.

Markets at Other Centers

Atlanta, Sept. 11.—Prime crude cottonseed oil, 4⅝c. to 4¾c. Meal, 8 percent, $24.50. Reports from Southeast point to better than average cotton crop.

Memphis, Sept. 13.—Few tanks crude cottonseed oil sold this week at 4½c.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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per pound, nearby shipment, Valley basis. Meal, 41 percent, $25.50 per ton, prompt shipment; $24.50 September shipment; $22.50 October shipment. Bulk hulls $4.50 to $5 per ton at mill points. Cotton crop three weeks late. Seed movement very light. Only few gins running this territory. Light frost several points. Last night average temperature this section 41 degrees. Killing frost now could do heavy damage. Census report shows smallest carryover of cottonseed meal on record; Tennessee only 99 tons; Arkansas 242 tons; Mississippi 1,005 tons. Opening cottonseed price $20 per ton at gin points. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Sept. 5.	Sept. 12.
September	$24.10@24.40	$23.00@23.50
October	22.20@——	21.00@21.20
December	21.50@21.65	20.20@20.35
January	21.50@21.60	20.10@20.25

Fatty Acids

Castor Oil.—Market steady. Consumption said to be holding up well. New business quieter.

Coconut Oil.—Consumers of this fatty acid purchasing for current needs only. Tone steady.

Cottonseed Oil.—Demand somewhat more active. Fair movement on contracts previously placed.

Lauric Acid.—Quotations maintained. Steady contract movement. New business fairly active.

Palm Oil.—Increased request from makers of soaps and textile compounds. Market steady.

Red Oil.—Purchasing generally conservative, but movement larger than recently. Tone steadier.

Stearic Acid.—Orders for moderate lots received more numerously. Steady contract movement.

Chicago—Sept. 13

Better tone continued to be noted in fatty acids, with business more active.

RED OIL.—Distilled or saponified, 6¼c. to 7¼c. per pound.

STEARIC ACID.—Distilled, single press, 8½c. to 9½c. per pound; double press, 9c. to 10c.; triple press, 11¾c. to 12¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcars; 8¾c. to 9c., drums, car lots; 9¼c. to 9½c., drums, less than car lots; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar; 9¾c. to 10c., drums, car lots; 10¼c. to 10½c., drums, less than car lots; cottonseed oil, double distilled, 7¾c. to 8c. per pound, tankcar; 8¼c. to 8½c., drums, car lots; 8¾c. to 9c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅝c. to 2¾c.; boiled down soap stock, 65 percent basis, 3⅝c. to 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Menhaden.—Purchases of refined oil generally limited to small lots for prompt shipment. Market steady.

Sardine.—Refined oil consumers purchasing for current needs only, pending developments in crude. Prices stationary.

Sperm. — Quotations maintained. Tone steady. Fair movement on contracts and transient orders.

Whale.—Refined oil prices held at previous levels. Business quiet and routine.

Markets at Other Centers

Baltimore, Sept. 11.—A number of tanks of crude menhaden oil sold during the past week at 21c. per gallon for Northern oil, Baltimore basis, an advance of 3c. over the last previous sale. A bid of 17c. by a large buyer failed to bring out any oil. Fishing reports improved, recent hauls being reported as the best of the season. Fishing reports from the South are still quite indifferent.

San Francisco, Sept. 11.—Producers' offerings of California sardine oil, out of the new crop, put on the market at 24 cents per gallon, were taken up last week in moderate volume when contracts were written up which involved at least 60, and possibly more tankcars, to be delivered on an if-and-when-made basis. At the same time the season was well in its second month with not a wheel having been turned in the direction of production because labor problems have not been settled. A third feature of the market last week was the sale of a two or three tankcar lot of spot California oil, out of the old season at 29 cents per gallon.

The labor question has been an involved one here. An agreement has been reached in one direction, however, in that late this afternoon pickets were said to have been pulled from most of the northern California plants when an agreement was finally made with cannery and production plant labor. This agreement, however, does not involve the fishing boat operators, whose representatives continue to spar with plant operators over the price to be paid for raw fish. Several offers and counter-offers have been made by both sides, the latest of which is said to have involved a difference of $1.50 per ton as the amount separating the ideas of the factions. Feeling in the trade is that with both sides becoming more anxious to get started, a settlement will be made and production possibly started within the next 10 days.

Fats and Greases

Grease.—Quotations generally held at former levels. Tone steady. Offerings light. Somewhat better inquiry reported.

CHICAGO, Sept. 13.—White grease, 3¾c. to 4c. per pound; yellow, 3¼c. to 3½c.; brown, 2⅞c. to 3c.

Lard.—Domestic cash trade fairly active. Better export inquiry reported. Price changes moderate.

CHICAGO, Sept. 13.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Sept. 13.	Closing Sept. 6.
Cash	$5.00	$4.80	$4.80	$4.95
October	4.97	4.80	4.80	4.95
December	5.17	4.97	4.97	5.12

Stearin.—Offerings light here and in outside markets. Local tone firm. Fair inquiry.

Tallow.—Occasional small-lot sales reported. Offerings generally light. Prevailing tone steady.

CHICAGO, Sept. 13.—Edible tallow, tierces, 4⅛c. to 4¼c. per pound; inedible, prime, 3¾c. to 3⅞c.; special, 3¼c. to 3⅜c.

There was no trading in tallow futures (old contracts) on the New York Produce Exchange from September 7 to September 13, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
October	...	...	3.70 nom.
December	...	...	3.70 nom.

Animal Oils

Lard.—Firmer with basic material. Quotations advanced ⅛c. to ½c. per pound. Fair movement of moderate quantities to local and other consumers.

CHICAGO, Sept. 13.—No. 1 lard oil, 7¾c. to 8c. per pound.

Neatsfoot.—Prices advanced ¼c. to ⅜c. per pound. Consumers generally purchasing for current needs only.

Oleo.—Offerings light and market steady. Quotations mainly nominal. Fair inquiry.

CHICAGO, Sept. 13.—Extra oleo oil, 7c. to 7¼c. per pound.

Tallow.—Quotations advanced ½c. owing to recent upturn in raw material. Fair demand.

CHICAGO, Sept. 13.—Acidless tallow oil, 6½c. to 7c. per pound.

—*Continued on page* 66

Soybean Oil Use Expanding Widely

—*Continued from page* 5

and that only 1,666,000 bushels were crushed for oil. The yield of oil being 13,424,000 pounds. Ten years later, in 1939, production of beans amounted to 87,409,000 bushels, of which it is estimated 57,000,000 bushels will be crushed for oil, which should produce in the neighborhood of 535,000,000 pounds. Production in the United States during 1940 is expected to approximate 85,509,000 bushels of harvested soybeans, according to September 1 condition and estimated harvestings.

The expansion of soybean production since 1930 is attributed to a number of causes, among the principal of which are said to be the crop restriction and slaughter of hogs practiced under government supervision in 1933 and the drought in 1934. The first condition made available millions of acres that had been devoted formerly to major crops; whereas the latter two created a shortage of fats and oils for human consumption. Soybean prices soared as a result, and the high prices and available acreage brought immediate response from farmers. In 1939 28 of the 48 states reported soybean production, with Illinois as the chief producer.

Soybean oil has been found suitable for a variety of commercial uses. The oil is used as a drying oil in the paint and varnish industry, and is also utilized in the manufacture of soap. The principal consuming industry, however, is in the manufacture of foods. It is a component of the manufacture of butter and lard substitutes, in mayonnaise and salad dressings, and as a salad oil.

Prior to 1935 only negligible quantities of soybean oil were used in cooking fats. In 1935 52,000,000 pounds of the oil were said to have been used in shortenings; last year over 200,000,000 pounds, or 55 percent of the total production, was used in the manufacture of shortening and compounds, while margarine, mayonnaise, salad dressings, and other edible products accounted for an additional 100,000,000 pounds. Paint, varnish, and linoleum took about 28,000,000 pounds of oil in 1939.

As regards the future of soybean products, it is held probable that the next decade will witness continued expansion in the acreage, production, and crushing of soybeans in the United States. As a result of the European conflict, oils and fats formerly imported in important quantities must be replaced with materials of domestic production. Soybean oil, considered quite versatile, may be used to replace imported oils in certain formulations.

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Literature on Request

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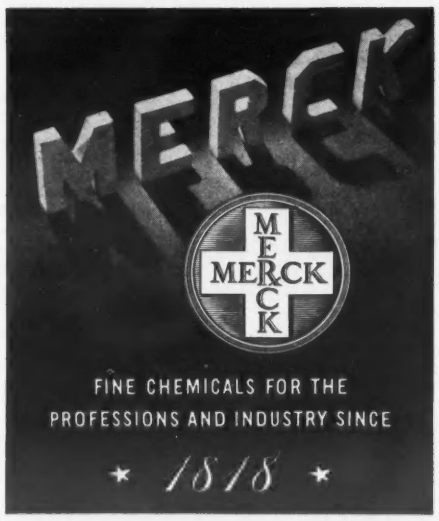

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Drugs, Fine Chemicals

Canadian Mercury Output May Double — Ethyl and Specially Denatured Alcohol Prices to Rise 1c. October 1—Activity Rising in Seasonal Items—Tartar Products Strong

Announcement of a 1c. advance on October 1 in price schedules on pure ethyl and specially denatured alcohol constituted the leading news feature of the week in the market for drugs and fine chemicals. Actual price changes, effected at once, were restricted to a rise in corn syrup and a reduction in Gulf port prices on blackstrap molasses.

No change will be made in the completely denatured alcohol schedule when specially denatured and pure ethyl alcohol rise on October 1. The general strengthening of the whole alcohol market has been reported for some time. Blackstrap molasses at Gulf ports was down fractionally but unchanged at North Atlantic ports.

Theft of 124 full flasks and 15 partially filled flasks of quicksilver on September 7 was reported. It was not clear that a slightly steadier spot price on metal had been caused by the theft. Mercurials remained very steady, still not reflecting the recently cheaper prices on spot mercury. Canadian production of approximately 400 flasks per month may be doubled if present plans mature in Canada. While bulk mercury requires a license to export, none is needed to export metal packed in small bottles for use by the dental or medical profession.

Items usually undergoing an expansion in demand during the Fall and Winter months appeared to be developing more activity. All were in apparently firm price position and movement was very good.

Price Changes

Advanced

Corn syrup, 5c. per 100 lbs.

Reduced

Molasses, blackstrap, Gulf ports, ¼c. per gal.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
204.5	204.5	204.4	191.8

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Acetylsalicylic.—Seasonal influences expands inquiry and sales at firm prices.

Acid, Citric. — Seasonal considerations reducing movement. Prices stable.

Acid, Tartaric.—Strong market. Normal demand from many quarters. Prices fully maintained.

Alcohol.—Fall business developing well. Movement of antifreeze formula gains. Specially denatured developing improved trend. Prices rise 1c. October 1 on pure ethyl and specially denatured materials. No change in completely denatured schedule.

Aloe.—Curacao gum turns stronger. Offerings conservative.

Aloin. — Raw material developed marked strength. No change in aloin schedule. Firm market.

Aminopyrene. — Fall and Winter needs developing. Fully stable market.

Ammonia Bromide.—Sales expected to gain with coverage of Winter needs.

Ammonia Chloride.—More active period ahead. Quotations steady.

Ammonia Citrate.—Well stabilized and lacking signs of change.

Ammonia, Phosphate. — Well sustained trading at normal volume.

Antipyrene. — Broadening market expected as Winter consumption rises. Firm prices.

Bismuth Metal and Salts. — Firm. Steady but unexcited demand. Little competition in most salts.

Caffeine.—Fall and Winter needs considered. Season opens with market strong.

Calcium Gluconate.—Demand routine and ordinary but very steady.

Calcium Mandalate.—Available in dense and fluffy forms. Former, $2.15 to $2.30 per pound; latter $2 to $2.15. Urinary antiseptic.

Camphor. — Stocks conservative. Prices firm to firmer. Seasonal movement gaining.

Camphor Monobromate. — Sales to gain from seasonal influences.

Castor Oil.—Prices hold. Volume good. Stocks meeting all needs.

CHICAGO, Sept. 11.—Castor oil steady. Prices are:—Cold pressed, U.S.P., barrels, car lots, 11⅝c. per pound; barrels, less than car lots, 12⅜c.; returnable drums, car lots, 11⅜c.; drums, less than car lots, 12⅛c.; tanks, 10⅞c.; extracted, No. 3, barrels, car lots, 11⅛c.; barrels, less than car lots, 11⅞c.; returnable drums, car lots, 10⅞c.; drums, less than car lots, 11⅝c.; tanks, 10⅜c.

Chloroform. — Normal activity in firm market. Supplies ample.

Cocoa Butter.—Still easy. Demand below supply. Prices subject to shading.

Codliver Oil.—Very firm. Stocks conservative. Shortage could develop easily.

Codeine.—Phosphate and sulphate demand expected to rise. Sellers conserve stocks by controlling quantities sold.

Corn Syrup.—Prices up 5c. per 100 pounds; 42 degree syrup, $3.47 per 100 pounds; 43 degree, $3.52. Production cost higher.

Cream of Tartar.—No weakening. Strong basic position. Good call.

Creosote.—Rise in sales volume expected. Fall and Winter requirements considered.

Ephedrine.—Most active season approaching. Prices low. Competition keen.

Epsom Salt.—Stabilized and very firm market. Demand normal.

Formaldehyde. — Demand steady. Production plentiful. Prices maintained readily.

Glycerin.—Normal activity in chemically pure item. Crude steadier at decline. Future prospects satisfactory.

CHICAGO, Sept. 11.—Orders for glycerin in volume. Prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine. — Price minimum at 23c. per pound, technical; USP, 38c. Apparently stabilized on production cost firmness.

Iodine and Iodides.—Steady volume

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Federal Wholesale Druggists, Sept. 8-11, Hot Springs.
National Wholesale Druggists, Sept. 30-Oct. 3, White Sulphur Springs.
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

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Guaiacol • Guaiacol Carbonate
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of business. Prices firm. Raw material advance maintained.

Menthol.—Local market held jobbing activity. Competition active. Conditions favor buyers.

Mercurials.—Raw material declines not reflected in mercurial schedule. Demand for derived products steady.

Methanol.—Deliveries prompt. Reserves ample. Some gain in demand looked for on revival of activity in consuming industries.

Morphine.—Approach of Fall and Winter months expected to raise sulphate sales. Very firm situation. Sellers reserved.

Paraformaldehyde. — Price 1,000 pounds or more, 23c. per pound; smaller quantities, 24c. Reduced about August 1. Competition more active.

Potash Acetate.—More inquiry suggests approach of more active season.

Potash Bromide.—Prices favorable as Fall and Winter needs rise. Current call fair.

Potash Citrate.—Market stability pronounced to meet sales gain in Fall and Winter needs.

Quicksilver.—Easier. Quoted market minimum of $178 believed subject to shading. Theft of 124 full and 15 partially filled flasks noted. No license required on small bottle packing for dental or medical use. British Columbia production, six months of 1940, valued at $750,000. Shipments to Montreal believed to be 400 flasks per month. Total world output in 1937 approximately 130,661 flasks. Spain and Italy produced 28,357 and 66,963 flasks, respectively. Canadian output may be doubled.

SAN FIANCISCO, Sept. 11.—Quicksilver about unchanged. Position about steady but general background does not reflect definitely strong picture. Inquiry routine and small. Price $175 per flask in 100-flask lots, might be shaded on bids. Second application for a permit to export to Japan turned down. Permits being granted for export to England and Canada.

Quinine.—More call for hydrochloride, sulphate and bisulphate expected to cover Fall and Winter distribution needs. Firm to strong market.

Rochelle Salts.—Steady selling at strongly maintained prices.

Salol.—Some covering of Fall and Winter distribution estimates. Firm prices.

Seidlitz Mixture. — Firmly maintained in strong position. No easing of production cost. Demand steady.

Silver Nitrate. — The schedule of prices since the last reporte prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	23 1/16
Monday	26⅞	34¾	23 1/16
Tuesday	26⅞	34¾	23½
Wednesday	26⅞	34¾	23 1/16
Thursday	26⅞	34¾	23 1/16
Friday	2678	34¾	23 1/16

Soda Bromide.—Moving more freely to wholesale distributors. Fall and Winter activity looked for.

Soda Citrate.—Full price stability prevails as Fall and Winter requirements receive consideration.

Soda Salicylate.—Some gain in activity. Protection of Winter needs afoot. Prices firm.

Strychnine Sulphate. — Fully firm. More inquiry and sales expected soon on account of special Winter needs.

Terpin Hydrate.—More movement. Moderate quantities selling at full prices. Activity expected to gain moderately.

Owens-Illinois Makes Drum Western Salesmanager

Charles L. Drum, Chicago branch manager for the Owens-Illinois Glass Company, Toledo, who assisted in pioneering the company's extensive corrugated paper activities more than thirty years ago, has been promoted to the position of western sales manager of the company.

In his new position Mr. Drum will have charge of sales activities in branches of the company in Milwaukee, Chicago, Peoria, St. Louis, Kansas City, St. Paul, Omaha and Denver. He is president of the Chicago Drug and Chemical Association.

Australian National Power Alcohol Company plans to increase its annual production capacity from 1,250,000 imperial gallons to 4,000,000 gallons.

Quinine Substitute Intermediate Developed

—Continued from page 3

should decide that the process is simpler and more economical than the one which it has been using, it could be adopted for this purpose. Secondly, since a large number of new compounds are readily available as a result of the process, it is expected that they will greatly facilitate the synthesis of compounds related to plasmochin and atabrin which may be of importance. Dr. Alfred Burger, long active in the drug-addiction laboratory of the University of Virginia and now professor of organic chemistry at Purdue, is using the new compounds in an investigation of this nature.

"The difficulty involved in the synthesis of quinine-substitute compounds was chiefly in the preparation of the aliphatic side-chain, which in the final step of the synthesis is attached to the heterocyclic nucleus. Clemo and Hook, two British investigators, recently attempted to prepare this compound and were unable to obtain it in pure form. Starting from American raw materials not available elsewhere, such as 1-chloropentane, Dr. Hass and his associates have been able to synthesize not only the aliphatic side-chain needed in the preparation of atabrin and plasmochin but also a whole series of related compounds suitable for systematic synthesis and investigation of many other new derivatives in this general field. They start with paraffins obtained from natural gas, including pentanes, butanes, and ethanes. Their process first worked out was one for combining vapor phase nitrogen with paraffins. The present research on quinine substitutes was made possible by this previous work. The amines which they use in the present synthesis could be derived from nitroparaffins. Nitroparaffins are new industrial materials this year, produced commercially as a result of the research at Purdue.

In the latest synthesis a paraffin treated with chlorine, such as 1-chloropentane or 1-chlorobutane, is again chlorinated to the dichloride state. A mixture of all the possible isomeric dichlorides is thus produced, and these are readily separable by rectification. The dichloride is then treated with sodium iodide, yielding a chloroiodide such as, for example, 1-iodo-4-chloropentane.

Upon treating the chloroiodo compounds with ammonia or an amine, such as diethylamine, the hydroiodide of 4-chloroamyldiethylamine is produced. This has been isolated as the crystalline hydrochloride, which is the compound that Clemo and Hook, the British investigators, were unable to obtain in crystalline form. When 4-chloropentyldiethylamine is condensed with a heterocyclic amine, compounds of the plasmochin type results.

Dr. Hass and his associates feel that the importance of their work lies in the versatility of the reaction which enables the production at will of any of a large number of carbon chlorinated amines which are being used for the synthesis of compounds related to atabrin and plasmochin and one which can be used for the production of these drugs themselves. This should make possible the synthesis of a very large number of compounds of this general nature.

N.Y. Drug Bowlers Ass'n Re-Elects Bode President

George A. Bode, of the R & H chemicals department of E. I. duPont de Nemours & Co., was re-elected president of the Wholesale Drug Bowling Association of New York, at the annual meeting, held September 9. Other officers renamed were:—Vice-president, John F. Nubel, jr., of the Church & Dwight Company, and secretary-treasurer, Frank Zachmann, of E. R. Squibb & Sons. The association voted to open its forty-eighth annual tournament on September 30.

McK.& R. Sales Up

McKesson & Robbins, Inc., sales of drugs and drug sundries in August increased 4.01 percent. Sales were valued at $9,163,992 against $8,810,377 in August, 1939.

QUININE

SULFATE
ALKALOID
BISULFATE
HYDROCHLORIDE
HYDROBROMIDE
DIHYDROBROMIDE
DIHYDROCHLORIDE
ACETATE
ARSENATE
ARSENITE
CITRATE
FERROCYANIDE
FORMATE
GLYCEROPHOSPHATE
HYDRIODIDE
HYDROCHLORSULFATE
HYPOPHOSPHITE
LACTATE
OLEATE
PHOSPHATE
SALICYLATE
TANNATE
VALERATE
& UREA HYDROCHLORIDE

THE NEW YORK QUININE & CHEMICAL WORKS INC.
NYQ
GENERAL OFFICES
99-117 North Eleventh Street, New York, Borough of Brooklyn
ST. LOUIS DEPOT, 915 MARKET STREET, ST. LOUIS, MO
NYQ

$2,000 REWARD

OFFERED FOR THE RECOVERY OF 124 FULL AND 15 PARTIALLY FULL, TOTAL EQUIVALENT 126 FULL FLASKS, PRIME VIRGIN MERCURY, STOLEN AT WOODRIDGE, NEW JERSEY, SEPTEMBER 7, 1940.

The amount of the reward will be reduced proportionately in the event that only a portion of the mercury is recovered.

$500 REWARD

offered for the arrest and conviction of the thief or thieves or any person or persons criminally buying, receiving or withholding said property.

The total amount of reward which can be claimed under these offers is $2,500 in any event. These offers will expire noon December 31, 1940, and the undersigned hereby reserves the right to be sole judge of any and all disputes and to make any decision in connection therewith, which decision will be final and conclusive.

Should this property be offered to or seen by you, or should you obtain any information concerning it, notify us by telegraph or your local Chief of Police immediately.

WM. M. MORTIMER CO.
Insurance Adjusters
111 John Street New York, N. Y.
Phone REctor 2-1030

F.W.D.A. Hears Arnold On Antitrust Activities

—Continued from page 3

Assistance for Retailers

That consideration be given to the improvement of retail drug store operation, with particular emphasis on the prescription department and the merchandising of legitimate drug items.

Pharmacy Week

That the association continue to cooperate in Pharmacy Week observance, and that the member houses be urged to make special efforts in their contacts with their retail members to widen public acceptance of the annual event.

TUBES that are uniformly tough and strong because made full thickness and specially processed. Sizes up to One Quart, with regular or special Openings, Necks or devices designed to insure quick, efficient application of contents. Forty years of successful experience and a well-equipped plant enable us to offer you better tubes at most attractive prices. Catalog, samples and prices on request.

STANDARD
SPECIALTY & TUBE CO.
18th Street - New Brighton, Pa.

The 1940-41 Officers

The nominating committee, reporting through chairman John A. Crozier, made few changes in the official roster. The desire of O. J. Cloughly, St. Louis, to retire was respected, and the handicaps laid by war on W. W. Stephens, Toronto, led to his being relieved of active official duties.

The officers for 1940-41 are:—

President, S. C. James, of the Ellicott Drug Company, Buffalo, N. Y.

Vice-president, Howard M. Bradbury, of the Washington Wholesale Drug Exchange, Washington.

Secretary, Ray C. Schlotterer, 147 Nassau street, New York.

Treasurer, O. J. Schmitz, of the Snowden-Mize Drug Company, Atchison, Kans.

Members of the executive committee, George A. Raab, of the Providence Wholesale Drug Company, Providence, R. I., chairman; J. J. Dreyer, of the New Jersey Wholesale Company, Newark; Ralph Frerichs, of the Mutual Drug Company, Cleveland, Ohio; Harvey Henry, of the Los Angeles Drug Company, Los Angeles; O. W. Osterlund, of the Philadelphia Wholesale Drug Company, Philadelphia.

Chairman of the associate members group, William D. Barry, of Mallinckrodt Chemical Works, New York.

George A. Raab
Chariman, F.W.D.A. Executive Committee

A disappointing note was caused by the inability of Hector Lazo to be present and discuss "The Cooperative Movement—Past, Present, and Future." Mr. Lazo is executive vice-president of Cooperative Food Distributors of America and is rated as one of the most able exponents of cooperative merchandising in the country.

An unscheduled feature of the first joint session, Tuesday, was the showing of the sound motion picture, "Free Men Build a Nation," sponsored by the Chamber of Commerce of the United States. A number of delegates expressed interest in obtaining this picture for exhibition in their home cities.

An optimistic note of review and forecast was sounded by O. J. Cloughly, St. Louis, one of the two survivors of those who attended the organization of the association in 1915.

Antitrust Operations

The convention's high point of interest was the address on "The Operations of the Antitrust Division" by Thurman W. Arnold, Assistant Attorney-General, at Tuesday's joint session. Mr. Arnold was introduced by William D. Barry, of Mallinckrodt Chemical Works, Chairman of the F.W.D.A. associate members' group. He spoke extemporaneously for the most part in exposition of his official position that the capitalizing of restraints of trade is an illegal exaction of excessive prices from consumers and that the practice should be attacked under the antitrust statutes, rather than that taxes be laid on the profits and the state thereby become a party to the gouging.

Mr. Arnold explained his modus operandi which is based on a belief that the only way to correct an illegal restraint of trade is to apply the law simultaneously to everybody who has a hand in the practice, from producers of materials, through distributors, down to labor unions. He cited the Chicago milk case and others to illustrate the application and the results of his methods.

In the course of his comment on socioeconomics, Mr. Arnold, admitting the necessity of a certain measure of reasonable concert in an industry, defined a reasonable combination as one which justifies its existence by effecting savings for the consumer through efficiency of operations or otherwise. He pointed out that, in its desire not to engage in unwarranted calling of names or to expose business to public suspicions, his division was prepared to tell business groups whether a contemplated practice would make them liable to prosecutions.

Drug 'Trust' Probe

With particular reference to the current investigation of trade practices in the drug industry, Mr. Arnold said:—

I realize that the members of this association must be particularly interested in the investigation of the distribution and sale of drugs, medicinal preparations, and surgical equipment and supplies which was announced on June 10 of this year. It is, of course, not the policy of the department to make charges against any industry until it is prepared to present evidence in court to prove those charges. Therefore I can talk about this investigation only in general terms.

We have subpenaed the files of about 165 companies and associations which include many concerns in which this association has no interest. I am happy to report that we have received the greatest cooperation from the members of both the drug and surgical supply industries. This cooperation went to the extent of their asking assistance from the Department of Justice in sending our own men to help them assemble the particular files which we asked to examine. Due to shortage of personnel it was impossible for us in a number of instances to give that assistance and in those cases the industry members themselves have willingly undertaken the burden.

I am sure that this cooperation results from the fact that members of these industries realize that the distribution of both drugs and surgical supplies demands scrutiny. One great manufacturer told me that although his own company might be vulnerable under the antitrust laws he would cheerfully face that hazard if we could scrape away the barnacles which were slowing up the distribution of these products. Indeed a great majority of the complaints against these industries have come from persons and groups actively engaged in them. The balance has come from consumers.

Therefore, I come to you with nothing but word of approval for your cooperation under what necessarily must be difficult circumstances. You are entitled to know everything which I can tell you about this investigation. That information at present must not include charges against anyone because we are not yet ready to present any cases in court. It would be less than frank, though, if I were to fail to tell you that we do have a number of prima facie cases which cast suspicion upon practices in these industries. However, we owe a duty of care in not making suspicions and mere prima facie cases public. We never make announcements until we are convinced that we have a case which can be sustained by the production of evidence in a contested hearing.

Therefore, all I can say at this time is that, through the co-operation of the industries involved, we have received records from almost all of the 165 organizations which have been subpoenaed. The remainder are expected in the near future. Eight men, two from the antitrust division and six from the Federal Bureau of Investigation, are examining these records in Washington. The magnitude of the task may be illustrated by the fact that the weight of these documents is approximately 10 tons. This staff is not adequate to get speedy results. However, that is all the men we have available for this work at the present time. They are now about half through. We hope to complete this phase of the investigation in two months. At that time we shall be able to state more definitely whether the suspicions and prima facie cases of restraints of trade in the drug and surgical supply industries which we are now investigating justify prosecution.

This much more may be said. There are few other industries concerning which we have had as many complaints from both consumers and industry members. The public as a whole is full of suspicion, and there is much feeling that the consumer is paying through the nose.

VITAMIN PRODUCTS
FISH LIVER OILS
ATLANTIC COAST FISHERIES CORP. OF N. Y.
111 JOHN STREET, NEW YORK, N. Y.

U. S. P. and TECHNICAL
CHLOROFORM
Prices on Request
CHAPLAIN & BIBBO, Inc., 110 Washington Street, New York

Now Manufacturing **SOAP-BARK AND CACTUS SAPONIN**
WHOLE—CRUSHED AND POWDERED SOAP BARK
DRIED SHREDDED CACTUS TO SUBSTITUTE FOR SOAP BARK
LIQUID FOAM EMULSIFYING AGENT
PURE TEST FOOD PRODUCTS CO., 325 So. Clarence Street, Los Angeles

AMMONIUM CHLORIDE U. S. P.
AMMONIUM SULPHATE PURIFIED
POTASSIUM CHLORIDE N. F.
POTASSIUM SULPHATE N. F.
SODIUM CHLORIDE C. P.
SCHUYLKILL CHEMICAL COMPANY
2346-2354 Sedgley Avenue - - Philadelphia, Pa.

Baker's chemicals
MAGNESIUM OXIDE
U. S. P. Extra Light
Uniformly light, fine, fluffy, gritless powder meeting every U. S. P. requirement. Makes Milk of Magnesia of greater solution creaminess. Write for test samples and methods.
J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N. J.
New York Philadelphia Chicago

The investigation, therefore, will have a double effect. First, it will uncover the actual restraints which now exist; and second, it will relieve those who are innocent of those restraints from charges which are unjustly made.

The purpose behind the department's endeavor to get industries to accept consent decrees and thus keep the litigation on the civil side of the laws was explained by Mr. Arnold as a desire to correct evils with the least possible detriment to business. He made a point of the carefulness with which cases are prepared before indictments are sought.

In reply to inquiries, Mr. Arnold gave the general impression that, while he was not antagonistic to fair-trade laws per se as a matter of legislative policy, he was convinced that all such permits would be abused for purposes for which they are not intended. And he made it plain that he would prosecute such abuses, such private seizures of economic power or control, whether they came about in connection with corporation privileges, patent rights, trade laws, or activities of labor unions.

He also set forth that he was not concerned with advertising, saying that he was not inclined "to fix the locomotive by controlling the whistle."

The experience of his office in getting public assistance in keeping watch on trade practices was explained by Mr. Arnold. This aid, he said, came from consumer groups, from trade associations, and from labor unions.

He did not consider size a controlling factor in the status of an organization under the law; he looked to its functioning; and he felt that this called for continuous supervision as is the case with motor traffic. He felt that trade associations could be very good, or very bad; but his opinion was that their unified interest in the long run was for unquestionable practices.

Drug Trade Trends

Current and long-range trends in the wholesaling of drugs, with some correlated data on retailing, were related by John Albright, chief of the wholesale trade division of the Bureau of the Census. Mr. Albright illustrated his talk with charts based on the monthly compilations of wholesale trade data, and presented statistical information from the 1929 and 1935 general censuses of business, data for 1939 not yet being available.

The salient points of Mr. Albright's talk included the following:—

Sales of drug wholesalers and of independent and chain drug stores show decided improvement during 1935, 1936 and most of 1937, with a leveling off during 1938 and 1939. The upward movement was again resumed during the latter part of 1939 and the first half of this year. July, the most recent month, shows a drop but normally July is low. Also the adverse trend in this month may have been influenced somewhat by recent increased taxes on liquor; 1940, to date, is higher than any comparable period of the series and probably the highest for a decade.

Chain stores in general were on a relatively high level during 1935 and 1936, but they did not respond readily to the rise in 1939 and 1940. Independent drug stores show gains as compared with chains during the past three years, thus tending to reverse a previous trend when competitive advantages seemed to favor chains.

Chains and independent stores show extreme highs in December; wholesalers enjoy peak business in October and December. October high may reflect some advanced buying of specialty and shopping items for the holiday season. December, however, pays tribute to the ability of the wholesaler to render quick service to the retailer during his rush period.

December is high and February low on all three lines. May and June are relatively low months for wholesalers; while January is second low for retailers.

Inventories Liquidated

Inventories fluctuate less than do sales, probably due to your better control of them—sales are made whenever the opportunity affords, but you have some leeway in adjusting inventories accordingly. You will note that, as a matter of sequence, sales rise and fall before inventories, the latter lagging by approximately two months.

Except for July, sales have been consistently ahead of inventories for a year, which would seem to leave inventories relatively liquidated at present. This situation may be good or bad depending upon the availability of supplies and future price changes. Many of you, for example, might feel more comfortable just now with larger inventories. Normally, however, low inventory ratios and high stock turns reflect favorable operations.

Changes in Pattern

Is the number of independent stores increasing or decreasing? Are chains or independents doing a larger portion of the drug business? Are service wholesalers or cooperatives showing relative gains? Is the retail drug business shifting to other stores such as variety and department stores? Are drug manufacturers relying more on the services of wholesalers to market their products or are they selling more goods direct? Answers to such questions require a complete study of distribution, or what is called a census of business.

Work on the 1939 census has not progressed to the point where generalizations can be made as yet. The returns are almost all in and the results are being digested, but few figures have been released. With your kind indulgence, however, I shall mention some of the significant findings in 1929 and 1935.

Between 1929 and 1935 the number of independent drug stores decreased from 54,732 to 52,953 while, during the same period, chains increased in number from 3,526 to 3,744. Chains' percentage of the total drug store business increased from 18.5 percent in 1929 to 25.7 percent in 1935, or to slightly more than one-fourth of the total. This trend appears to have been checked recently.

There were in 1935, 295 full-line wholesale drug houses with sales for the year amounting to $325,000,000. Of these 295 houses, twenty-one were classified as retailer-owned cooperatives. These twenty-one cooperatives accounted for slightly less than 10 percent of the full-line business.

As a word of caution, this count of "twenty-one" for 1935 did not include all the cooperatives and may not agree with your number. It was restricted to the more or less full-line wholesalers and excluded those who bought only limited lines of fast-moving items. This latter group is classified, for census purposes, as specialty-line houses. Buying clubs without established places of business are, as you may know, excluded from the census count. Without being too specific, I believe our 1939 count will show substantially more than twenty-one full-line cooperatives, and in addition possibly upward to thirty or forty buying a limited line of items. These counts, of course, will not include informal buying clubs.

When compared with service wholesalers of the more conventional type, cooperatives, in 1935, show a much lower operating expense ratio: Expenses for cooperatives amounted to 9.3 percent of sales as compared with 13 percent for service wholesalers. Some of you were able to show an expense ratio of somewhat less than 9 percent. Payroll of cooperatives amounted to 5.2 percent of sales as compared with 7.1 percent for service wholesalers.

Special Study of Drug Trade

Without burdening you with more details, may I suggest a plan which may provide the most valuable information for your use. We of the census will exert every effort to make the results as

37 Years of

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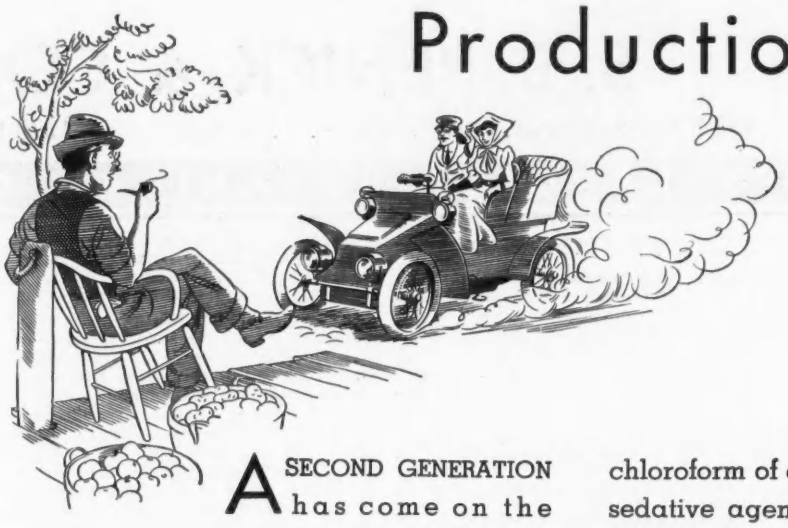
U.S.P.

Production



A SECOND GENERATION has come on the scene and grown to manhood since Dow started supplying pharmaceutical manufacturers and distributors with chloroform.

It was in 1903, when America was emerging from the single-cylinder automobile era, that Dow technicians developed a unique and original process for the manufacture of chloroform from carbon tetrachloride. This process produces chloroform of exceptional purity for use as a sedative agent, antiseptic and anaesthetic.

The passing of 37 years has only served to emphasize the high standards that govern the production of Dow Chloroform, U.S.P., and to establish it more firmly as a preferred product. Dow packs this clear, colorless, mobile liquid in 5, 10, and 55-gallon drums, tin lined; and also in cases of 4-25 lb. tins.

DOW

THE DOW CHEMICAL COMPANY

MIDLAND MICHIGAN

Branch Sales Offices: New York City, St. Louis, Chicago, San Francisco, Los Angeles, Seattle

Heading for Penick!

BOTANICAL DRUGS still find their way to Penick from every quarter of the globe, despite present difficulties.

As rapidly as the "bottling up" of regular sources of supply can be anticipated, Penick's purchasing staff bends every effort to locate and develop new ones. This relentless promotion has kept a fairly steady flow of botanical cargo coming into the Penick warehouses.

Buyers have been surprised to find Penick able to supply stock of certain items generally believed to be unobtainable. Many more buyers, consequently, have turned to Penick as their "primary source of supply for botanical raw materials."

"PENICK" — means everything in Botanical Drugs

S. B. PENICK & COMPANY

132 Nassau Street, New York, N. Y. **1228 W. Kinzie St., Chicago, Ill.**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

pointed and practical as possible. Ours is a general service and we must meet the needs of the many users of the results. It is believed, however, that, in a cooperative economy such as we enjoy in the United States, when improvements are possible in the distributive pattern, you business men will be first to recognize and introduce them. Solutions are not handed out ready-made. Therefore, your approach to the problem is sought.

Our first obligation, as we see it, is to publish the basic information—number of places of business, sales, employment, payroll, etc.—by States, counties and cities. After that we hope to turn our attention to special trade studies, one of which is contemplated on drugs. Here is where we need your guidance as to what type of information is of most worth to you. All data available from past censuses as well as those for 1939 might well be assembled and analyzed. A chapter could be devoted to cooperatives showing, among other things, how many there are, where they are located, how much business they do, and how their operations compare with those of other drug wholesalers.

In the preparation of such a report we should like to feel free to consult with your officials, or if you prefer, with a committee of your choosing, as well as with officials of the N.W.D.A. and with representatives of drug manufacturers. N.W.D.A. officials have already offered many valuable suggestions. Working jointly we should be able to contribute something toward better and more efficient drug distribution.

Membership Increased

In a report presented by George A. Raab, the committee on active membership said that one new member—Drugs Mutual, Inc., Atlanta—had been enrolled during the year. T. C. Marshall, representative of the company, was introduced to the convention.

The committee on associate members, through Fred F. Rauch, of S. B. Penick & Co., reported the enrollment of the following twenty-eight additions to that group:—

American Hard Rubber Company, New York.

American Thermos Bottle Company, Norwich, Conn.

Bachmann Brothers, Inc., Philadelphia.

Casco Products Corporation, Bridgeport, Conn.

Drueding Brothers Company, Philadelphia.

C. B. Fleet Company, Lynchburg, Va.

Hershey Chocolate Corporation, Hershey, Pa.

Lever Brothers Company, Cambridge, Mass.

McCormick & Co., Baltimore.

Mentholatum Company, Wilmington, Del.

Miller Rubber Company, Akron, Ohio.

Murine Company, Chicago.

Noxzema Chemical Company, Baltimore.

Oakland Chemical Company, New York.

Ortho Products, Inc., Linden, N. J.

Packers Tar Soap, Inc., Mystic, Conn.

Piso Company, Warren, Pa.

Paul Plessner Company, Detroit.

Polk Miller Products Corporation, Richmond, Va.

Quality Art Novelty Company, Long Island City, N. Y.

Raylite Trading Company, Long Island City, N. Y.

Rolls Razor, Inc., New York.

Samson United Corporation, Rochester, N. Y.

G. D. Searle & Co., Chicago.

Sterling Products (Incorporated), Wheeling, W. Va.

Tampax, Inc., New York.

Allen B. Wrisley Distributing Company, Chicago.

Zonite Products Corporation, New York.

The memorials committee, through its chairman, John A. Crozier, reported the death of two active members—Paul Pearson and Albert Smith, both of the Washington Wholesale Drug Exchange—the deaths of three associate members—William H. Erhart, of Charles Pfizer & Co.; Theodore Weicker, of E. R. Squibb & Sons; and James J. Kearney, of the Stearns Electric Paste Company—and the death of Mrs. Catherine Schlotterer, mother of Ray Schlotterer, secretary of the association. Formal testimony was given of the loss sustained by the association, and action was taken to convey appreciation of this to the family of Mr. Pearson, who had long been a member of the association's executive committee.

Legislative events of the year were reviewed in a report by H. M. Bradbury. Other matters handled in closed sessions were presented as follows:—

Merchandising, by G. A. Raab.

Pharmacy week, by F. B. Tipton.

Retailers' activities, by M. D. Pritchard.

Trade relations, by Harry Z. Krupp.

Total attendance at the convention was approximately 175, including representatives of more than 55 percent of the wholesale houses which are active members of the association and about 45 percent of the associate members. In addition to several governmental officials there were present also delegated representatives of six other national organizations in the drug trade. Greetings were received in telegrams from as many more trade organizations and the officers of several associated manufacturing houses who were unable to attend.

Entertainment Features

The entertainment committee did excellent job all around—and a big job it was. Convention veterans of many fronts and many years were unanimous in their appreciation of the various features and particularly enthusiastic in their comment that the floor-show feature on the first evening was the best they had ever witnessed.

The ladies were entertained with special attention at luncheons, bridge parties, and carriage rides. The committee had so ordered things that every lady got at least two prizes at cards or something else.

There was an official cocktail party in the evening, September 9, and a number of similar privately staged affairs at other times. The banquet, September 10, had some more floor-show and was without feature speakers, the major contribution being a brief review of F.W.D.A. history by Ray C. Schlotterer, secretary.

Golf Winners

Although rain threatened, it did not reach customary mountain-shower volume and had passed over the hills before the golfing procession got well under way. So there was a fairly big turnout in the tournament. Also there were big fields in the putting contests for ladies and for men.

The successful contestants were:—

Tournament low gross (*American Druggist* silver putter), H. J. Loynd.

Tournament low net (*Drug Topics* silver pitcher), M. C. Schuele.

Class A—Low gross, H. J. Loynd; second low gross, E. H. Schellack; third low gross, C. T. Chianese; low net, Harry Meyer; second low net, W. B. Oleson.

Class B—Low gross, W. W. Huisking; second low gross, Donald MacCallum; third low gross, A. H. Payson; low net, J. V. Powers; second low net, J. G. Bill; third low net, W. L. Dempsey.

Class C—Low gross, M. C. Schuele; second low gross, R. R. Reed; third low gross, M. D. Roberts; low net, Wayne Luther; second low net, R. T. Gulley; third low net, J. G. Kelnberger.

Shot closest to pin, Arthur Hill.

Men's putting, first, H. J. Loynd; second, Vance Littlefield.

Ladies putting, first, Mrs. R. R. Reed; second, Mrs. M. D. Pritchard; third, Mrs. R. E. Schwartz.

Both men and women registrants were provided with convention souvenirs, but the entertainment committee abolished the "loot bag" this year.

The festivities in general were under the nervously energetic supervision of John V. Powers, of E. Fougera & Co., assisted by Paige D. L'Hommedieu, of Johnson & Johnson, who had particular charge of the evening entertainment. The other special roles were handled under the direction of the following:—

Banquet, E. D. McDaniel, of White Laboratories, Inc.

Golf, Charles S. Mott, of Topics Publishing Company.

Ladies, Vance R. Littlefield, of Becton, Dickinson & Co.

Registration, Turner F. Currens, of the Norwich Pharmacal Company.

Continental Can to Spend $25,000,000 on Improvements

The Continental Can Company directorate has approved a three-year expansion and improvement program calling for an approximate expenditure of $25,000,000. The plan calls for an enlargement and improvement of the research, engineering and manufacturing facilities of several of the company's fifty-eight plants located in the United States, Canada and Cuba.

Botanical Drugs, Spices, and Gums

Ergot Arrivals Swell Stocks and Quotations Decline—Sarsaparilla Down—Japanese Chillies Rise Sharply—Saffron Easier —No Sage Offered—Licorice Root Up

Conditions in the market for botanical drugs underwent little change during the past week. Demand remained moderate and early revival of buying in volume closer to normal Fall sales was not sighted. Prices were either stable, strong, higher, or tending upward in by far the majority of items. Reductions were but fractional clippings from previous quotations and but rarely defined a pronounced turn in the general trend of values.

Medicinal botanicals originating in this country shared in the general stability of prices. Although under ordinary conditions the trend of quotations would be downward at this time, at the present little of that sort of movement seemed in the making. Collections of drugs have been very good but the cost of the same, plus the influences generally operative on prices as a whole, has discouraged price concessions.

The cost to get foreign botanicals is very high on the very few in which there is even a bare chance of the goods getting here. Shipment across the Atlantic ocean is possible only from Portuguese or Spanish ports. The insurance and other war-born charges alone reach high figures. Coupled with costs ex primary markets, the net result is extremely high cost on landed goods.

It seemed inevitable that European botanicals would cease to be obtainable.

Balsams

Copaiba.—No further price decline. Steadier market comes with slightly better demand.

Peru.—Market holding. Competition still in evidence. Limited request.

Tolu.—Undertones keep easy to easier. Prices lack further decline. Conditions favor buyers.

Barks

Cocillana.—Lower at 25c. to 30c. per pound under competition.

Elm.—Demand strengthening moderately. Prices very steady.

Sassafras.—Stocks believed sufficient for Winter needs. Prices show stability.

White Pine.—Firm. Reserves replenished. Little call now.

Wild Cherry.—Stocks well replenished. Consuming needs probably protected. Prices quiet.

Beans

Calabar.—Steady. Demand inactive. Stocks moderate. Apparently sufficient for immediate future.

St. Ignatius.—Demand irregular. Strictly hand-to-mouth.

Vanilla.—Stocks restricted. Cannot be increased readily. Sellers show great reserve. Price tendency upward. Shipments slow and uncertain from primary markets.

Berries

Fish.—Seldom called for. Prices fully firm. Replacement improbable.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	533	2,610
Belladonna	69	305
Caraway	1,853	13,337
Cardamom (cases)	...	1,552
Celery	...	4,364
Coriander	2,889	17,262
Cumin	727	3,574
Digitalis leaves (cases)	1	1
Dill	...	199
Fennel	731	1,247
Henbane leaves (bales)	262	270
Mustard	2,800	5,677
Poppy	550	28,183
Sage leaves (bales)	...	249
Sesame	4,117	9,090
Stramonium	121	8,049
Thyme	...	2,730

Price Changes

Advanced

Celery seed, Indian, 1¼c. per lb.
Licorice root, bundles, .6c. per lb.
cuttings, 1c. per lb.
powder, 1c. per lb.
Marjoram, French, 6c. per lb.
Mustard seed, Chinese yellow, ½c. per lb.
Sage, no stocks.

Reduced

Anise, star, ¼c. per lb.
Cocillana bark, 3c. per lb.
Celery seed, French, 1c. per lb.
Chillies, Japanese, 3c. per lb.
Ergot, 75c. per lb.
Fennel seed, Indian, ½c. per lb.
Fenugreek seed, ½c. per lb.
Poppy seed, Turkish, ½c. per lb.
Paprika, Bulgarian, ½c. per lb.
Spanish, 4c. per lb.
Pimento, ¼c. per lb.
Saffron, Spanish, $1 per lb.
Sarsaparilla root, Mexican, ½c. per lb.
Sabadilla seed, powdered, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
194.1	199.8	200.7	158.4

Market news that may have developed after this report was sent to press will be found on page 4.

Juniper.—Open quotations tend to be nominal. No arrivals in quantity likely.

Prickly Ash.—No shortage expected. Fair collections expected. Prices steady.

Raspberries. — Stronger undertone maintained. Sellers not shading open quotations. Fair demand.

Flowers

Arnica.—Strong and scarce. Prices close to nominal.

Chamomile.—Stocks dwindle steadily. May disappear as article of commerce. Prices approach nominal position.

Linden.—Limited demand. Large call might advance prices further. Strong situation.

Rose.—Some consigned pale flowers finding buyers only with difficulty. Holder rather anxious. Others report limited call.

Saffron.—Spanish flowers hold easier undertone. Price of $24 to $25 per pound might be shaded. Interest limited.

Gums

Arabic.—Very firm. Little competition. Stocks valuable because of replacement uncertainties.

Benzoin.—Demand picking up. Seasonal trend. Prices seemingly steadier.

Camphor. — Fall requirements appear. Very firm price position. Consumption of domestic synthetic running high.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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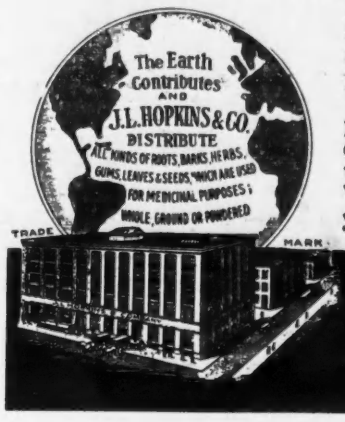
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SAGE LEAVES
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MENTHOL
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BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
CORIANDER OIL, U.S.P.
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR JAPANESE
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HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
LAVENDER FLOWERS
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Karaya.—Firm. Demand ample but routine. Replacement arrivals slow.

Olibanum.—Moving well in jobbing lots at very firm prices. Sellers reserved.

Herbs and Leaves

Buchu.—Very firm. Moving moderately. Little competition.

Deertongue.—Stocks of fair size created in primary market. Local trade constricted.

Digitalis.—Home production likely to supply domestic needs. Prices firm and stabilized.

Henbane.—Close to nominal market. Stocks of imported leaves small. Prices strong.

Marjoram.—No Tunis herb offered. French in light supply at sharp rise to 40c. to 41c. per pound. Chilean unchanged.

Sage.—Dalmatian not offered. Ditto garden variety. Nominal market.

Senna.—Normal trade. Prices very firm. Competition uncommon.

Thyme.—Some Spanish herb offered at 20c. to 21c. per pound. French quoted 31c. to 32c. per pound, subject to confirmation.

Miscellaneous

Colocynth Pulp.—Slightly unsettled under more competition.

Dragon's Blood.—Routine call at firm prices. Replacement slow.

Ergot.—More than 100 cases arrive. Prices down to $2 to $2.10 per pound. Spot inactive.

Grains of Paradise.—Trade irregular. Prices grow steadier as competition recedes.

Lycopodium.—Small stocks in strong hands cannot be replaced from normal sources.

Manna.—Stocks gradually being eliminated. Exhaustion believed close.

Roots

Aconite.—Virtually nominal. Holdings very small.

Belladonna.—Inactivity of buyers brings no weakening of recently strong market.

Dandelion.—Strong market. Price tendency up. Stock trend down.

Golden Seal.—Weakness continues. No demand. Stocks being pressed for sale. Few outlets at present.

Licorice.—Stock shrinkage advances prices. Bundles, 38c. to 43c. per pound; cuttings, 10c. to 11c.; powdered, 12c. to 13c.

Orris.—Very strong. Current stocks irreplaceable. Nominal prices.

Sarsaparilla.—Mexican root shaded to 12½c. to 13c. per pound.

Senega.—Strong. Advance maintained. Little supporting demand.

Squill.—No firm offers. Little stock available held for regular customers.

Valerian.—Stocks at low ebb. Some consumers' reserves fair sized. Dealers cannot replace U.S.P. goods.

Seeds

Anise.—Star shaded to 16c. to 16½c. per pound. Advance in Mexican seed maintained.

Celery.—French off to 37c. to 39c. per pound. High price chokes off demand. Indian seed up to 19c. to 19½c.

Fennel. — India seed fractionally lower at 13c. to 13½c. per pound.

Fenugreek.—Sales at a decrease to 4¼c. to 4½c. per pound.

Mustard.—New crop Montana seed offered at 15c. to 15½c. per pound. Chinese yellow up to 10c. to 10½c. Other foreign seed unchanged but about nominal.

Poppy.—Turkish reduced to 15c. to 15½c. per pound.

Rape.—No Belgian generally available. Spot stocks mainly of Japanese origin.

Sabadilla.—Shaded to 22c. to 23c. per pound for powder in slow market.

Spices

Cassia.—All kinds steadier on gain in demand.

Ginger.—Fair price stability. Moderate call.

Paprika. — Bulgarian shaded to 28½c. to 29c. per pound. Spanish, 31c. to 32c. for indefinite quality available.

Pepper. — Black Lampong 3.85 to 4.05 per pound. White Singapore a fraction lower at 7¼c. to 7¾c. Japanese chillies jumped to 22½c. to 23c. per pound.

Trading in black pepper futures on the New York Produce Exchange from September 7 to September 13, inclusive, comprised 12 contracts, a total of 403,200 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	3.68	3.68	3.64@3.68
May	3.82	3.82	3.74@3.78
July	3.90	3.90	3.83@3.86
September	3.54	3.52	3.53@3.60
October	3.58	3.55	3.56@3.60

Pimento.—Local competition gains and prices droop to 14½c. to 15c. per pound.

Alleghany Chemical Plant Destroyed by $100,000 Fire

Fire destroyed the plant of the Alleghany Chemical Corporation, Womelsdorf, Pa., September 6. The loss, estimated at $100,000, was reported to be covered by insurance. The buildings destroyed included a boiler house, acid plant, lime sulphur unit, paint department, packing and shipping units. Harold T. Moore is president of the company and executive offices are maintained in Reading, Pa.

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Essential Oils, Aromatic Chemicals

New Crop Weakens Peppermint Little—Spearmint Turns Firmer —French Oils in Dwindling Supply—Italian Items Near Exhaustion — Most Domestic Oils Steady

Price movements were a minus quantity in the market for essential oils during the past week. Not that there were no changes made by individual houses; a fair number of such values were shifted but in the main the changes were not reflected in the general price structure. The undercurrent of the market was as firm as ever and conditions failed to foreshadow an early change in that aspect of affairs.

Demand was conservative. Fall requirements built fair volume of trade but in the main the individual orders indicated that buying was close to requirements of the near future.

Firm prices reflected the fact that stocks of imported oils were steadily decreasing. That was especially evident in oils of French origin and prices on such items tended toward nominal position. Oil produced in French and Dutch colonies was available for shipment but conditions made for slow arrival of purchases and a replacement price structure noted for fair strength. Stocks of such goods were conservative on spot.

Domestic oils showed fair promise. The home producers continued to meet all demands for lemon and prices continued to be stable. Peppermint weakened no further despite steady increase in new crop stocks. Spearmint tended firmer. Tansy, wormwood, and wormseed underwent no further price decline and seemed steady.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.5	126.5	127.4	81.4

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Steadier. Gain in jobbing sales. Firm prices.

Amber.—Inquiry falls off. No effect on steady prices.

Amyris.—Dull. Values hold. Moderate stocks.

Anise.—Strength maintained. Competition slight. Fair demand.

Bay.—Jobbing business good. Prices very steady. Stocks ample.

Bergamot.—Artificial oil moving well. Natural product in small supply.

Birchtar.—Demand hand-to-mouth. No weakness in spot price.

Bois De Rose.—Transactions routine. Price well stabilized now. Stock moderate.

Cajeput.—Sales gain holds. Jobbing trade good. Steady prices.

Camphor.—Value hold. Arrivals well sold. Undertones firm.

Cananga.—Replacement slow and irregular. Keeps prices firm.

Capsicum (Oleoresin). — Raw material advanced sharply. Oleoresin stronger.

Caraway.—In small supply. Stocks cannot increase. Nominal market.

Cassia.—Undertones firm. Sales in fair volume. Replacement uncertain.

Citronella.—Future delivery sales limited. Considerable competition. Price holds.

Clove.—More price stability. Movement steady. Fair stocks.

Coriander.—Future of raw material uncertain. Main primary market cut off.

Dill.—Call active and seasonal at attractive prices.

Eucalyptus.—Broader interest. Seasonal expansion finds firm prices.

Geranium.—Fair reserves. Moderate demand. Limited competition.

Grapefruit.—Good production expected. Price stability pronounced.

Ginger.—Jobbing sales gain. Steadier prices. Raw material values favorable.

Juniper.—Stocks not being replaced. Exhaustion not unlikely.

Juniper Tar.—Undertones moderately easy. Fair stocks. Favorable prices.

Lavandin.—Nominal market. No replacement of stocks likely.

Lavender.—High ester oil scarce. No excess of lower grades. Strong market and prices.

Lemon. — Domestic moving well. Fair contracting on six-month basis. Little foreign oil held.

Lemongrass. — Limited demand. Mainly jobbing. Price easy.

Lime.—Demand contracting to seasonal limits. Prices hold.

Mace.—Quiet. Market more favorable for buyers.

Mustard.—No lack of goods. Prices show stability.

Nutmeg.—Buying conservative. Undertone easier. Prices unchanged further.

Orange.—All needs met promptly. Prices favorable. Demand reflects Fall season.

Palmarosa. — Fair price stability. Moderate consuming demand.

Patchouli.—Still competitive but lacking in further price change.

Peppermint.—New crop of good quality. Plenty of oil for home consumption. Prices comparatively low.

Petitgrain.—Steady. Replacement slow. Fair stocks. Firm prices.

Pineneedle. — Moderate stocks at firm prices. Little competition.

Rose. — Divorcement of primary market found fair stocks held here. Prices firm.

Rosemary.—Still slightly unsettled. Buyer interest conservative.

Sassafras. — Fair request. Firm prices. Competition negligible.

Snakeroot.—Limited call. Stocks limited to few hands.

Spearmint.—Firmer. Values tend higher. Production routine.

Tansy.—Output expected to cover all needs. Price decline checked.

Thyme.—Small sales more numerous. Prices develop stability.

Valerian. — Firm. Movement routine. Stocks dwindling. Replacement doubtful.

Aromatic Chemicals

Geraniol Propionate.—Steady. Call limited to prompt needs. Prices hold.

Heliotropine.—Fair deliveries and unsold stocks. Steady prices.

Hyacynth Geraniol.—Demand hand-to-mouth. Undertone steady.

Hydroxycitronellal. — All qualities steady. Very good movement records some gain.

Isobornyl Acetate.—Jobbing business keeps prices steady. Fair stocks.

Isobutyl Acetate.—Inquiry and sales irregular. Volume jobbing.

Isobutyl Benzoate.—Sellers slightly reserved. Fair stocks in hand.

Isosafrol. — Firm undertones. Strength gains some. Prices firmer.

Linalool. — Fair reserves protect consumer needs. Prices stable.

Linalyl Acetate. — Some qualities lacking in certain quarters. Prices firm.

Menthyl Salicylate. — Past season was fair. Some report sales ahead of last year.

Methyl Acetophenone.—Sales up in some quarters. Very steady prices.

Methyl Anthranilate.—Competition restrained. Sales volume holds. Firm prices.

Methyl Benzoate.—Undertone very steady. Outlook good for Fall trade.

Methyl Cinnamate. — Undertones strengthen. More inquiry. Steady quotations.

Methyl Heptenone.—Dull Market at very firm prices.

Methylhexyl Ketone.—High quality moving normally at full held prices.

Methylnaphthyl Ketone.—Call irregular but fairly steady. Values stabilized.

Methylphenyl Acetate. — Routine trading builds fair volume. Steady values.

Methyl Salicylate.—Complete price stability. Undertone steady.

Musk.—Steadier as foreign goods compete less with domestic product.

Novoviol.—Group noted for price stability. Little competition.

Paracresyl Acetate.—Less interest shown. No ill effect on price.

Pelargol.—Well maintained movement sustains steady prices.

Phenyl Acetaldehyde.—Request has routine aspect. Buyers cover as needs rise.

Phenylacetic Acid.—Trade fairly substantial. Some report gains.

Phenylethyl Alcohol.—Domestic and foreign goods priced firmly. Sales moderate.

Phenylethyl Butyrate. — Fairly steady sales at $6.50 per pound. Routine request.

Phenylethyl Propionate.—Irregular demand and sales. Steady quotations. Fair stocks.

Phenylethyl Valeriate.—In fair but not expansive demand. Prices well stabilized.

Phenylpropyl Alcohol. — Little change in volume of fair size. Prices hold.

Phenylpropyl Aldehyde. — Inquiry up. Sales volume maintained. Prices steady.

Rhodinol. — Steady price. Demand routine. Market dull.

Rose Crystals.—Normal movement keeps volume good. Values firmer.

Safrol.—Business routine. Quotations continue to hold and general market position remains steady.

Styrolyl Acetate.—Normal interest shown. Trade volume satisfactory. Prices reflect market stability.

Terpineol. — Normal movement maintains stable prices.

Terpinyl Acetate.—Trade irregular, day-to-day. No adverse price development.

Vanillin.—Business steady with indication of moderate increase of late. Quotations firm at previous levels.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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Alkali-copper alginate
Alkali-iron alginate
Alkali-zinc alginate
Aluminum alginate
Ammonium alginate
Cadmium alginate
Copper alginate
Iron alginate
Linseed oil
Magnesium alginate
Potassium alginate
Potassium-aluminum alginate.
Potassium-cadmium alginate
Potassium-copper alginate
Potassium-iron alginate
Potassium-zinc alginate
Sodium alginate
Sodium-aluminum alginate
Sodium-cadmium alginate
Sodium-copper alginate
Sodium-iron alginate
Sodium-zinc alginate
Tallow
Wax
Zinc alginate

Paracoumarone Resin

Solvents for Paracoumarone Resin

Alcohol
Anthracene oil
Benzene
Benzin
Chloroethylene
Ethyl ether
Gasolene
Hydrocarbon solvents
Ketones
Naphthas
Toluene
Turpentine oil

Paraffin Oil

Deodorized Paraffin Oils

Deobase
Non-odr
Spraysene
Ultrasene

Emulsifiers for Paraffin Oil

Acetanaphthenedisulphonic acid
Alkali sludge sulphonates
Alkylethere alphthiosulphonic acids and their salts
Ammonium betatetrahydronaphthalenesulphonate
Ammonium linoleate
Ammonium tannate
Amylamines
Amyltetrahydronaphthalenecarboxylic Acid
Anthracenesulphonic acid
Butyl acetylricinoleate
Butyl ester of acetylated polymerized ricinoleic acid
Butyl ester of polymerized ricinoleic acid
Butyl ricinoleate
Castor oil, acetylated
Castor oil, acetylated polymerized
Castor oil, polymerized
Castor oil fatty acids
1:6-Chloronaphthalenesulophonic acids
Diamylamines
Diethylaminobetaoxypropylamine
Diethylbenzylethylenediamine
Diethylene oxide
Diethylenethylenedamine, asymmetrical
Diglycol stearate
Dioxan
Emulsifier B 585
Emulsone
Ethanolamine oleate
Ethanolamine stearate
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Methyl acetylricinoleate
Methyl ester of acetylated polymerized ricinoleic acid
Methyl oleicsulphonate
Methyl ricinoleate
Methyl undecylinate
Methylenedisulphonic acid
Methylethyleneglycol monopalmitate
Methylhexalin
Mineral oils, sulphonated
Miscibol
Monobutylnaphthalenesulophonic acid
Oleic acid
Polysaccharides
Potassium betatetrahydronaphthalenesulphonate
Potassium heptylnaphthalenesulphonate
Potassium hexylnaphthalenesulphonate
Potassium isoallylnaphthalenesulphonate
Potassium oleoabietate
Potassium pentylnaphthalenesulphonate
Resin oils
Resins
Ricinoleic acid
Rosin oils
Saponin
Sludge sulphonates
Sludge sulphonic acid
Soap
Soap sludge sulphonate
Sodium alginate
Sodium alphatetrahydronaphthalenesulphonate
Sodium betatetrahydronaphthalenesulphonate
Sodium decylsulphonate
Sodium oleate
Sodium pentylnaphthalenesulphonate
Sodium propylnaphthalenesulphonate
Solvoil
Soybean lacithin
Sulphonic acids
Tetradecene
Tetrahydrobenzene
Triamylamines
Triethanolamine
Triethanolamine oleate
Trihydroxyethylamine
Trihydroxyethylamine linoleate

Odorants for Paraffin Oil

Airdoux
Aloha
Carnation FS, 45
Cedarleaf oil
Citrene
Citronel
Citronele
Citronelene
Citrosas
Dulcene
Florene
Florita
Forest flours 45, 26
Four flowers
Fraise de bois
Gardenia
Hyacinth VB
Inkarome doux
Inkarome oriental
Jasmin FN, 27, 34
Jaconella
Kerex cheri
Kerex bouquet
Kerex fleuri
Kerex l'orient
Kero-bouquet
Kero-cheri
Kero-citrone
Kero-dolcone
Kerodor
Keroflor
Kero-florone
Kero-lavone
Kero-mintone
Kero-spicone
Kero-shalone
Kerozone
Lavender oil
Lavene
Lemon oil
Lilac
Lobella
Lotus
Metsal
Mimoxene
Narcisse
Neroli oil
New mown hay oil B-3470
Odocene
Odrene
Oriental OD
Parispray
Pavora
Petro-carnation 1, 2
Petro-gardenia 1, 2
Petro-heliotrope 1, 2
Petro-jasmin 1, 2
Petro-lavender 1, 2
Pine cones GN
Pine SIB
Pineneedle oil
Rose ECC, 34
Rosas
Safrin F
Spray odor ST
Sweetpea ECC
Spray perfume oil B-2679
Tobacodor
Trefle savon
Vanodor
Veroxene
Violet 40
Vitaflor 450
Wistaria 40
Yosoy
Yuccaflor

Oxidizing Catalysts for Paraffin Oil

Ferric salts
Molybdic acid
Molybdic salts
Sulphuric acid
Vanadic acid
Vanadic salts

(To be continued)

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GLAURIN (DIETHYLENE GLYCOL MONO LAURATE) has a consistency of yellow oil and a specific gravity of .96. The free fatty acid value is less than 3%, and the saponification value is 185-195. It is soluble in Methanol, Ethanol, Acetone, and Ethyl Acetate. Among the suggested uses: varnish removers, lubricants, plasticizers and softeners, and solvents.

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Glyceryl Laurate S
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Sorbitol Oleate S
Sorbitol Laurate S
Methyl Stearate
Methyl Oleate

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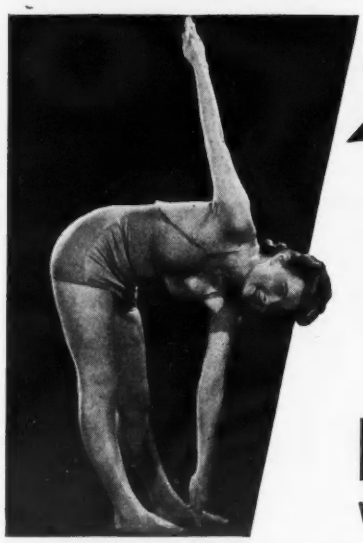

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Petroleum Solvents, Lubricants, Fuels

Crude Scale Paraffin Prices Advanced at New York — Heating Oil and Kerosene in Good Demand — Gasoline Tone Easy—Pennsylvania Lubricant Prices Still Weak

The market for crude scale paraffin showed signs of strengthening last week when fractional advances were made. Quotations were firm at the new levels and further increases were indicated. Supplies in the hands of refiners were not large and it was reported that several refiners had disposed of their entire stock and would be out of the market for the rest of the month. Petrolatums and white mineral oils were moving in routine fashion but certain grades of naphthas were showing signs of increased activity.

The undertone of the gasoline market was still weak despite continued good consumption. Heating oils and other light fuels were undergoing broadening of demand. Kerosene was steady and in fair call. Pennsylvania lubricants were being shipped in slightly better volume but there was no signs of price improvement as the Pennsylvania markets were feeling pressure from recent reductions in the Midcontinent and on the Gulf Coast.

Solvents and Diluents

Aromatic Naphthas.—Normal business. Prices firm.

Cleaners' Naphtha.—Moderate buying. No prices revised.

Lacquer Diluent.—Small pick-up in inquiries. Shipments at previous levels. Price steady.

Petroleum Thinners.—Paint makers inactive. Spot demand small. Prices firm.

Rubber Solvent.—Continued good movement of stocks on contract. Tire makers good buyers. Price steady and unchanged.

Stoddard Solvent. — Normal call from cleaning trade. Price unchanged.

V. M. & P. Naptha.—Small improvement reported. Price firm.

Markets at Other Centers

Chicago—Sept. 12

The general petroleum solvents and diluents market remains quiet, but firm. Demand is holding up in a good fashion for this season. Inquiry is good. V.M.&P. is fairly active.

AROMATIC NAPHTHAS.—Market quiet. Prices firm.

CLEANERS' NAPHTHA.—Routine demand. Quotations holding.

LACQUER DILUENT. — Inquiry fair. Market unchanged.

PETROLEUM THINNERS.—Sales modest. No price change.

RUBBER SOLVENT.—Demand holding well. Price steady.

STODDARD SOLVENT.—Movement good. Price stable.

V.M.&P. NAPHTHA.—Buyers taking good volumes. Price firm.

New Orleans—Sept. 12

Little change was experienced in cleaning solvent, the market following the usual steady trend. A seasonal demand for V.M.P. naphtha in the domestic market continued normal, with the export market inactive.

CLEANING SOLVENT.—Demand sluggish; price unchanged.

V.M.P. NAPHTHA.—Sales volume fair; prices steady and unrevised.

Price Changes

Advanced

Paraffin, crude scale, bbls., N.Y., 15 to 25 points per lb.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Tulsa—Sept. 12

Industrial demand provided more interest in the market. Cleaners' naphtha was more in demand and there was a fairly good movement of other grades.

CLEANERS' NAPHTHA.—Good demand, with prices stable. Shipments increased.

LACQUER DILUENT.—Trading routine, with prices unchanged.

RUBBER SOLVENT. — Tire makers continue to place inquiries in the market and quotations are steady. Shipments increased.

STODDARD SOLVENT.—Inquiries fair and movement increased. Prices are steady.

V.M.&P.—Demand has picked up and shipments have increased. Quotations are steady.

PETROLEUM SPIRITS.—Demand routine, with quotations unchanged.

BLENDING NAPHTHA.—Some good inquiries developed. Quotations steady.

Lighter Fractions

Butane.—Heavy buying reported. Price firm.

Heptane. — Inquiry holding well. Price maintained firmly.

Hexane.—Moderate ordering. Price steady.

Octanes.—Slightly better interest in offerings. No changes in price.

Propane. — Fair demand. Price firm.

Markets at Other Centers

Chicago—Sept. 12

Demand for light gaseous hydrocarbons was holding up well most of the week, but there was no important price movement. The market had a routine aspect. Butane and most other materials were rather quiet.

BUTANE—Orders still holding. Price steady.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Sept. 7	1939 Jan. 1-Sept. 7
Commercial crude oil production	910,967,700	837,876,385
	Week ended Sept. 7, 1940	Week ended Sept. 9, 1939
Daily average production	3,620,632	2,627,677
Bureau of Mines estimate	3,624,300	3,510,700
	Week ended Sept. 7, 1940	Week ended Aug. 31, 1940
Estimated motor fuel stocks	84,294,000	85,393,000
Estimated finished motor fuel stocks	77,860,000	78,861,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
National Petroleum, Sept. 18-20, Atlantic City.

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The State of the Petroleum Market

Crude oil and gasoline prices were unchanged last week.

	Sept. 13	Sept. 6	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.1720	$1.1720	$1.147
Gasoline prices at refineries (at four refining centers) per gallon.....	.0517020	.0517020	.052625

HEPTANE—Inquiry fair. Quotations unchanged.

HEXANE—Demand steady. Price firm.

OCTANES—Movement regular, prices stable.

PENTANES—Buying good, unchanged prices.

PROPANE—Takings in fair volume, tone holding.

Petrolatums and Waxes

Paraffin.—Trade in crude scale material was still holding up well last week and quotations were advanced 15 to 25 points per pound. The new quotation for 122-24 material was 2¼c. per pound and for 124-26, 2¼c. to 2½c. Supplies in the hands of some refiners were scarce. Refined grades were firm.

Petrolatums.—Little of new interest developed in the market for these products. Demand was routine and prices were firm.

White Mineral Oils.—Similar to the petrolatums, the market for these materials was characterized by routine movement of stocks. Prices were unchanged.

Markets at Other Centers

Chicago—Sept. 12

Firm market conditions are prevailing in paraffin and related items. Buying has been in good proportions recently, and the market seems to be fully maintained for most of the items in the list.

PARAFFIN.—Activity well sustained. prices holding.

PETROLATUMS.—Demand good, steady quotations.

WHITE MINERAL OILS.—Buyers evincing interest. Quotations unchanged.

Tulsa—Sept. 12

The market again turned quiet in paraffin. Very little interest developed. Refiners' quotations are firm and unchanged.

Fuels and Lubricants

Gasoline. — Further weakness in price reported. Consumption lighter.

Kerosene. — Better movement of stocks. Prices firm and unchanged.

Fuel and Gas Oils.—Improved demand for heating oils. Prices strengthened. Bunker C and diesel oil prices unchanged, with call routine.

Lubricating Oils.—Unchanged with demand light. Pressure on prices due to recent reductions in Midcontinent and Gulf areas.

Markets at Other Centers

Chicago—Sept. 13

The tankcar gasoline market has been quiet but firm under the impetus of a good early Autumn demand. Kerosene is active. Furnace oil shipments are expanding rapidly. Lubricating oils are spotty, but inclined to steadier tone.

GASOLINE—Demand good, prices firm.

KEROSENE—Orders holding up, prices holding well.

FUEL AND GAS OILS—Demand better, prices firming.

FURNACE OILS—Orders seasonally expanding, market stiffening.

LUBRICATING OILS—Tone slightly better, prices unchanged.

New Orleans—Sept. 12

Domestic consumption of gasoline was slower during the week. Movement of kerosene continued normal for this season of the year. Bunker C fuel oil market remained inactive with not much prospect of improvement.

GASOLINE—Demand fair; price firm.

KEROSENE—Market quiet; price unchanged.

BUNKER C FUEL OIL—Conservative demand; no price change.

Tulsa—Sept. 12

Interest in the market for fuels in the Midcontinent and Central areas is being concentrated on burning oils. Inquiries for the light and heavy fuels have broadened substantially and prices have become firm to strong. In gasoline only in the central area is the market stable. Refiners there have succeeded in maintaining the advances posted a couple of weeks ago. In the Mid-Continent concessions are being granted at many points.

GASOLINE. — Prices easy to weak. Trading light and shipments declining.

NATURAL GASOLINE.—Tone is firm. Trading increasing, with shipments rising.

KEROSENE. — Demand broader and prices firm.

FUEL AND GAS OILS.—Tone strong. Demand broadening steadily.

FURNACE OILS.—Large inquiries and insistence for prompt shipment has increased movement. Prices very strong.

LUBRICATING OILS.—Tone steadier and demand increasing for industrial grades. Shipments have increased and production has declined.

Oil Prospecting Permits Bill Favorably Reported

OPD Washington Bureau
September 9, 1940

The senate public lands committee has favorably reported a house-approved bill (H.R. 8448) to extend until December 31, 1941, all oil and gas prospecting permits issued under the 1920 leasing act. The committee added to the house bill a provision that the permittee must have complied with the law in good faith. The provision was added to answer the criticism of the Department of Interior, which is opposed to the bill because it would offer a premium to those who have neglected their lands.

Standard Oil Company will relocate its office for the New Jersey sales staff October 1. The office will be in a two-story building being constructed at North Broad street and Parker road, Elizabeth.

Gasoline Equipment Under Export Control

OPD Washington Bureau
September 13, 1940

President Roosevelt today added equipment used for production of aviation motor fuel and of tetraethyl-lead to materials requiring export licenses. Also included are plans and designs for building aircraft or aircraft engines. Previously the President had placed petroleum products and tetraethyl-lead under export control.

Oils Free from Federal Excise Tax Are Listed

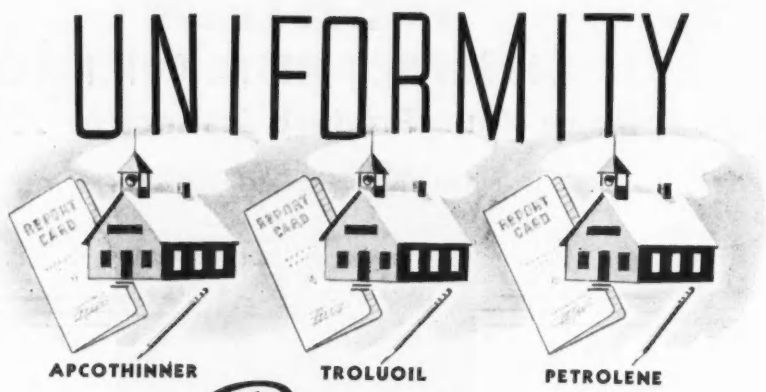
—*Continued from page* 5

slab oil, soap stock, technical white oil, and wood-preserving oil.

Sales of any of the foregoing oils by the manufacturer for resale to consumers must be made tax-paid, but credit may be claimed for the tax paid on such sales upon receipt of evidence that the oil was resold to consumers for nonlubricating uses.

Under previous decision it was held that buffing oil, burning oil, concrete form oil, core oil, floor oil, harness oil, leather oil, quenching oil, slushing oil, tempering oil, lard oil, and refined and deodorized neatsfoot oil were not subject to tax when sold by the manufacturer under a name identifying such oils for purposes other than lubrication, or when used as a component material in the manufacture of other articles taxable under title IV of the revenue act of 1932, provided the manufacturer obtained from the purchaser a certificate to the effect that the oil so sold would not be used for lubrication.

It was further held that crude neatsfoot oil and oil manufactured and sold specifically for use in electrical transformers and large outdoor oil circuit breakers as an insulating agent, generally known as transformer or insulating oil, were not sold or used for lubricating purposes and, therefore, were not subject to tax as lubricating oil when sold, no exemption certificates being required with respect to sales of such oils.



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Fertilizer Materials

Feed Material Markets Less Active But Most Prices Firm — Cottonseed Meal Lower — Blood Advanced at New York —Believe Menhaden Producion Will Meet Demand

The recent heavy demand for feed materials slackened last week, although prices on the whole were well maintained. One exception was cottonseed meal, which was lowered. Other organics were firm and dried blood was advanced at New York. Further sales of menhaden futures were reported at the previous price. Fear that heavy rains and rough seas would retard production were unfounded, apparently, and Chesapeake Bay factories reported that all commitments undoubtedly would be fulfilled. Chemicals were moving well.

The upward trend in superphosphate production continued in July, which was the eleventh consecutive month in which output was larger than in the corresponding month of the previous year. Production totaled 271,877 tons, compared with 206,783 in July, 1939. Shipments were 158,944 tons, against 98,565 and stocks at the end of the month totaled 1,202,334 and 1,080,976 tons, respectively. Total production during January-July, amounted to 2,142,976 tons, compared with 1,697,902 in the similar period of last year. Shipments totaled 2,849,758 and 2,598,713 tons, respectively.

Nitrogenates

Ammonia Phosphate.—Price nominal. Offerings limited.

Castor Pomace. — Demand slow. Price firm.

Cyanamid.—Tight. Price firm.

Dried Blood.—Advanced 15c. per unit to $2.50 at New York. Other domestic and imported grades firm. July imports of dried blood totaled 2,887 tons, valued at $99,579.

Fish Scrap.—Sales of about 500 tons reported for future delivery at previous price. Only thirty-seven tons of fish scrap and fish meal, valued tons of fish scrap and fish meal, valued at $1,364, were imported into the United States in July.

Nitrate of Soda.—Both imported and domestic materials moving well and in good demand. Prices firm. July imports of the Chilean product totaled 82,342 tons, valued at $1,539,801.

Nitrogenous Material.—Routine buying reported. Shipments light. Prices unchanged. July imports totaled 2,589 tons, valued at $44,454.

Sulphate of Ammonia.—Market still characterized by tightness. Good demand. Prices steady and unchanged. United States exports in July totaled 47,709 tons, valued at $833,420. Imports were 4,101 tons, worth $130,361.

Tankage. — Demand less active. Prices firm. July imports to the United States were 1,051 tons, valued at $29,672.

Potashes

Shipments of potash materials continued to hold to high levels during the period under review. There were reports that stocks were tight and consumers who were finding it necessary to cover were encountering difficulty in replenishing their supplies. These reports could not be confirmed, however. Prices were firm and unchanged.

Price Changes

Advanced

Blood, dried, dom., 15c. per unit, f.o.b. N.Y.

Reduced

Cottonseed meal, $1 to $1.50, Southeast mills.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Phosphates

Bone Materials.—Prices were firm, with little change in demand. Shipments were not heavy, but were satisfactory.

Phosphate Rock.—Interest in offerings continued to expand and shipments became heavier. Prices were steady. Exports of land pebble rocks from the United States in July totaled 47,329 tons, valued at $190,860. Exports of high-grade hard rock were 22,140 tons, valued at $121,826.

Superphosphate. — Buying interest continued slack. Shipments on contract were light. Prices were firm and unchanged.

Sulphur and Pyrites

Crude sulphur continued to move into consumption at a rate satisfactory to prominent producers. New buying interest, however, was light. The price was steady and unchanged. Export of crude from the United States totaled 47,709 tons, valued at $833,420 in July.

Markets at Other Centers

Atlanta—Sept. 11

Fall demand for fertilizers is reported light. The federal report on prospective

—*Continuea on page 62*

Fertilizer Tag Sales: August

	P.C. of 1939.	August 1940. (Equivalent tons)	August 1939.	August 1938.	P.C. of 1939.	January-August 1940.	January-August 1939.	January-August 1938.
Virginia	151	18,445	12,199	17,150	95	313,821	329,627	319,961
North Carolina	104	4,220	4,073	1,500	88	975,825	1,108,955	1,003,546
South Carolina	76	1,920	2,525	2,355	100	638,574	638,914	627,189
Georgia	130	1,890	1,458	1,064	107	714,663	666,202	700,283
Florida	149	27,777	18,697	15,899	110	334,661	303,486	308,600
Alabama	300	1,950	650	450	103	562,050	547,300	522,000
Mississippi	350	700	200	475	106	293,295	277,846	298,636
Tennessee	618	2,225	360	3,862	106	123,873	116,679	113,977
Arkansas	75	300	400	250	143	93,750	65,372	62,850
Louisiana	40	850	2,150	1,250	106	133,531	125,728	125,222
Texas	145	400	275	150	128	103,581	81,009	72,122
Oklahoma	..	105	5	400	91	5,853	6,403	7,080
Totals, South	141	60,782	42,992	44,805	101	4,293,477	4,267,521	4,161,466
Indiana	82	55,700	67,694	62,000	111	253,944	228,508	202,609
Illinois	70	4,462	6,362	5,195	113	40,660	36,087	35,412
Kentucky	78	7,489	9,550	2,650	102	104,189	102,106	97,548
Missouri	139	29,315	21,084	10,156	132	55,580	42,017	34,965
Kansas	54	3,885	7,171	3,895	101	8,683	8,626	7,462
Totals, Midwest	90	100,851	111,861	83,896	111	463,056	417,344	377,996
Grand totals	104	161,633	154,853	128,701	102	4,756,533	4,684,865	4,539,462

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Phosphate Conference States Objectives

—*Continued from page 5*

ally the processing of these native deposits should be undertaken by private industry, but recognizes that before this can be done successfully, more basic experimentation and research must be made which can be done most appropriately by government agencies which can make discoveries available to all parties interested.

To this end the conference recommends that the Federal government:—

Recognize the important significance of development for the welfare of the nation by the establishment of the research agencies and promtional measures.

Continue exploration and testing of natural deposits in this region, either through existing agencies or new ones created for the purpose.

Continue experiments to discover more effective methods of processing which have been carried on through past years so efficiently through TVA.

Establish in this region experimental demonstration plants of sufficient size to give convincing test of the commercial soundness of the principles, methods, and materials used.

Speed up basic experimentation, exploration, and development as a defense measure, inasmuch as phospohorus derivatives enter so directly into the production of food, clothing, and munitions of warfare.

Future Activities

This conference requests the Association of Agricultural Colleges to continue to organize future conferences to promote research, to collect and disseminate the information revealed, and to inform public opinion as to the vital importance of the questions involved.

Chemical Salesmen to Hold Final Golf Outing Sept. 17

The Salesmen's Association of the American Chemical Industry will hold its final golf tournament of the season at the Pomonok Country Club, Flushing, L. I., September 17. Twenty prizes will be awarded to golfers. In addition, a special surprise package will be given to all attending. Also, tennis courts will be available at no cost. The outing will be topped off with an exceptional floor show and dinner. Phil LoBue, of Joseph Turner & Co., Ridgefield, N. J., chairman of the entertainment committee, is in charge of arrangements.

Cudahy Packing Company, Chicago, plans a $250,000 expansion program at Wichita plant, which will almost double capacity.

Toluol From Petroleum Proved Practicable

—*Continued from page 5*

ment plant at cost plus a fixed management fee, or on the same basis would operate a plant previously constructed by the government.

In connection with the domestic recovery of toluol a report of the National Defense Advisory Commission, released last week, said:—

In 1939, approximately 25,000,000 gallons of toluene were produced in the United States. Since activity in the steel industry began to expand last Fall, production of toluene from coke-ovens has increased. Present capacity for the output of toluene by water gas plants and coke-ovens is substantially in excess of current requirements, and a very large productive capacity can be made available by the petroleum industry with little difficulty.

Two methods of getting by-product toluene from petroleum can be used. The more important is the recovery of toluene in the production of high-octane gasoline used in aircraft. It is estimated that supplies can be made available by this method at costs comparable to those prevailing at coke-ovens. The second and more costly method, which could be used, if emergency conditions required it, involves the "cracking" of other petroleum products. Experimental production of toluene from petroleum has indicated that this is an entirely practical course of supply and that large volumes could be made available in a relatively short time by the installation of additional recovery equipment.

During the World War capacity for the production of toluene was nearly doubled, increasing from 12,000,000 gallons in 1917 to an estimated 23,000,000 gallons by December 1, 1918. At this time nearly half of the supply came from water gas plants. Since then these facilities have been reduced substantially, but capacity at by-product coke-ovens has been nearly tripled.

Pollution Reduction Praised

The reduction of pollution in urban centers through the increased use of chlorination and other methods of waste treatment is favorably commented on in the August number of *The Pioneer*, monthly publication of the Electro Bleaching Gas Company, manufacturer of chlorine and alkalies. An interesting article on industrial plant waste treatment is also contained in the number. A copy of the issue may be had by addressing the Electro Bleaching Gas Company, 60 East 42d street, New York, mentioning the REPORTER.

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Obituaries

Dr. Phoebus A. Levene

Dr. Phoebus A. Levene, internationally-known biochemist and member of the Rockefeller Institute for Medical Research from 1907 to 1939, died September 6 at his home in this city, following a heart attack. He was seventy-one years old.

Born in Russia, and educated there and in Switzerland, Dr. Levene came to the United States in 1892. He began his teaching and research career in 1896 at the State Pathological Institute of New York, Saranac Laboratory for Study of Tuberculosis and New York University. When he joined the Rockefeller Institute in 1907 he began delving into many forms of biochemistry, particularly those dealing with foods and nutrition.

In 1931 Dr. Levene received the William Gibbs Medal, awarded annually by the Chicago section of the American Chemical Society. Seven years later he was awarded the William H. Nichols Medal of the New York Section of the American Chemical Society for his research in organic compounds. He was a member of a number of scientific societies.

George N. Roberts

George N. Roberts, chairman of the board of the Bemis Brothers Bag Company, St. Louis, died September 12 at his home in Waban, Mass. He was sixty-five years of age.

A graduate of Harvard in 1897, Mr. Roberts joined the Bemis company in 1899. He was named manager of its Omaha plant in 1907, then treasurer, and was elected president in 1934, a position he held until he was named chairman of the board.

Barend L. Soberski

Barend L. Soberski, an importer of wood flour and cork with offices in this city, died September 8 at his Brooklyn home. He was seventy-two years of age.

A native of Amsterdam, the Netherlands, Mr. Soberski came to this country in 1888 and began to import wood flour and cork, which he sold to linoleum manufacturers. In 1910 he moved his business to New York and established his home in Brooklyn. During his recent illness the business has been carried on under the direction of a daughter, Miss Betsy Soberski, who will continue the firm at the present address, 15 Moore street. Other survivors are his wife and four daughters.

Stephen C. Schorndorfer

Stephen C. Schorndorfer, co-founder and chairman of the board of the Ferbert-Schorndorfer Company, paint manufacturer, Cleveland, died September 6 in Elyria, Ohio. He was sixty-three. Mr. Schorndorfer was with the Glidden Company for twenty-five years before he and the late Albert J. Ferbert formed their own company in 1928.

Clarence A. Chumar, who retired in 1932 after forty-nine years with the Standard Oil Company of New Jersey, died September 5 in Long Branch, N. J. He was seventy-seven years old.

Ellwood Douglass, Monmouth County, N. J., agriculture agent since 1917, and president of the National Association of County Agricultural Agents in 1934, died September 8 in Colts Neck, N. J., after an illness of two years. He was fifty years of age.

William McKaig, former controller of the Atlantic Refining Company, Philadelphia, died September 10 in that city. He was eighty-three years of age.

Isaac J. Osbun, regional manager of the fabrics and finishes department of the E. I. du Pont de Nemours & Co., died September 7 at his home in Atlanta, Ga., after an illness of several months. He was fifty-two years of age. Surviving are his wife and two children, Benjamin Osbun, also connected with the fabrics and finishes department in Atlanta, and Miss Jane Osbun.

Norman H. Platt, head of the credit department of the Federated Metals Company, a subsidiary of the American Smelting & Refining Company, this city ,died in a hospital in Montclair, N. J. He was forty-six years of age.

John M. Wilson, chairman of the board of the National Supply Company, manufacturers and distributors of oil and gas-well equipment, Pittsburgh, died September 6. He was sixty-four years old.

Patman Brokerage Clause Applies to Cooperatives

—*Continued from page* 3

the committee of the House of Representatives during the proceedings leading up to the passage of the act. In this report it was said that Section 2 (c) prohibits allowances of brokerage by the buyer direct to the seller or by the seller direct to the buyer, and prohibits payment of brokerage by either buyer or seller to an agent or intermediary acting in fact for or in behalf of or subject to the direct or indirect control of the other.

One of the defenses raised by the Quality Bakers organization was that it was not engaged in interstate commerce. The court found that the baking companies constituting the membership of the Quality Bakers association were engaged in purchasing commodities in interstate commerce, and that the Quality Bakers organization was an instrumentality in the current of interstate commerce and hence was within the regulatory power of Congress and properly included in the order.

Another defense raised by the Quality Bakers organization was that it was a cooperative association and as such was exempted by section 4 of the Robinson-Patman act from the other provisions of the act. The court, in passing upon this point, said that, without determining the question as to whether or not Quality Bakers was a cooperative organization, it was apparent that section 4 did not exempt a cooperative organization from the prohibitions of the brokerage section.

The court further held that the constitutionality of Section 2 (c) as it has been interpreted by the courts to date is not open to serious question. The commission's order will become final unless a writ if certiorari is secured by the appellants from the Supreme Court.

C. S. Beaver has been elected to the directorate of the American-Marietta Company, paint manufacturer, Chicago.

The Paint, Varnish & Exchange Club, Inc., will hold its first Fall meeting September 25 at the Brooklyn Engineers Club.

Fertilizer Materials

Markets at Other Centers

—*Continued from page* 60

increased yields of cotton is considered by fertilizer people as favorable to heavier consumption of fertilizers this season if cotton prices are maintained. Quotations on a rather quiet market are as follows:—

SUPERPHOSPHATE—52c. per unit, interior producing points.

SULPHATE OF AMMONIA—Bulk, $28 per ton, port basis.

COTTONSEED MEAL—8 percent grade $24.50 Southeastern mill points.

BLOOD—South American, $2.60 per unit, port basis; Chicago $2.75.

TANKAGE—South Am. $2.60 and 10c. per unit, ports; $2.75 and 10c., Chicago.

Baltimore—Sept. 11

There has been virtually no change in the market for crude fertilizer materials, which continues to be characterized by decided quiet. Demand for mixtures has been put off until the need for them becomes more imminent. Current quotations are as follows:—

FISH SCRAP—Further sales amounting to perhaps 500 tons have been made at $3.10 and 10c. per unit-ton.

SUPERPHOSPHATE—Nominal quotations are still at $8 per ton for 16 percent stocks and $8.50 for 16 percent flat, with 20 percent supplies at $10 per ton. Demand continues restricted, with indications that it will remain sluggish for the present.

TANKAGE—Quotations around $2.50 and 10c. per unit-ton, f.o.b. shipping point for domestic material and $2.60 and 10c. for South American stocks.

DRIED BLOOD—Firm, with all prices unchanged.

Chicago—Sept. 11

Better demand has been noted recently for some of the organics in the general fertilizer materials list, and tone of the market is somewhat improved. Flow of both orders and material on shipment has picked up. Blood is in somewhat better demand. Tankage is reported creating a better interest. Bone materials are giving a better market performance.

BLOOD—Principal grade, $2.75 per unit of ammonia.

TANKAGE—High grade, feeding, $2.75 and 10c.; hoof meal, $2.25 to $2.40; liquid stick, $1.50 to $1.75.

BONE MATERIALS—Ground, steamed bone, 1¼ and 60 percent, $28; 3 and 50 percent, $29 to $30; 4½ and 50 percent, $30 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; pork cracklings, soft pressed, $35 to $40; beef cracklings, soft pressed, $32.50 to $35; hard pressed cracklings, per unit of protein, 57½c. to 62½c.

San Francisco—Sept. 11

Nitrate of soda continues in good demand, but generally speaking the fertilizer materials market is not active excepting for feed materials, such as fish meal. Prices are firm, with the exception of wet rendered tankage, which is not moving well. Ruling prices are:—

SULPHATE OF AMMONIA—$38 per ton in 100-pound bags, delivered inland points.

SUPERPHOSPHATE—Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c. per unit.

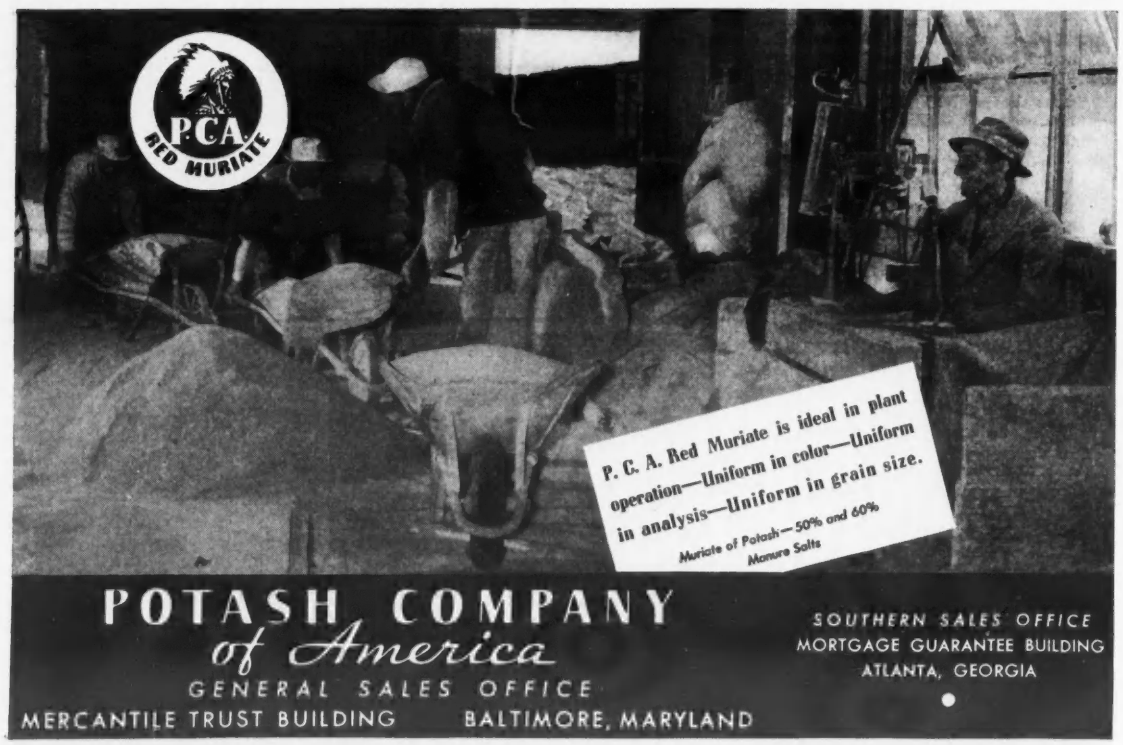
NITRATE OF SODA—100-pound bags, $29.50 per ton and 200-pound bags, $28.88 per ton, both ex-vessel or warehouse. Bulk lots, $27. Prices effective October 1. Buyers taking delivery in September get benefit of old price schedule of 50c. per ton less on bagged material.

FISH MEAL—Spot California sardine meal, old crop, quoted at $46 per ton for 67 percent protein; $43 for futures, f.o.b. San Francisco.

TANKAGE—Unground fertilizer wet rendered, domestic, $2.25 and 10c. per unit-ton, f.o.b. plant, Northern California. Dry rendered, ground, 50 percent, $32.50 per ton, f.o.b. cars, South San Francisco. Argentine, 50 percent ground, $34.50 per ton ex-dock, San Francisco, 65 percent, $38. Unground, domestic, dry rendered, 55c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL—$2.50 to $2.60 per unit, f.o.b. cars, San Francisco or Los Angeles.

Sulphuric acid and fertilizer plant has been established in Medellin, Colombia. American equipment to the value of $150,000 has been purchased.



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Shipping Information

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Imports at U.S. Ports

New York Imports

AGAR—137 bls, Japan

ALOE—84 cs, Wessel, Duval & Co, Curacao
100 cs, Selma Mercantile Corp, Aruba
1,000 cs, W Lyon, Aruba

ANISE—50 bls, Wah Young Co, Hongkong

ANTIMONY ORE—404 bgs, Metal Traders Corp, Callao
317 bgs, New York & Cuba Mail S S Co, Vera Cruz

ASBESTOS—100 cs, Watson, Geach & Co, Capetown
667 bgs, Raw Asbestos Distr, Ltd, Beira
42 bgs, Johns-Manville Corp, Lourenco Marques
125 bgs, Johns-Manville Corp, Lourenco Marques
878 bgs, Keasbey & Wattison Co, Lourenco Marques

BONES—4,064 bgs, Buenos Aires

CALVES' LIVER—485 cartons, Anglo-American Trading Corp, Auckland

CARDAMOM—2 dms, L A Champon, Puerto Barrios
2 cs, L A Champon, Puerto Barrios
107 cs, Colombo
51 cs, Colombo

CASSIA—97 bls, Catz American Co, Batavia
97 bls, Batavia
125 bls, O Gerdau Co, Hongkong
50 bls, P H Petry & Co, Hongkong
200 bls, Arnhold & Co, Hongkong

BROKEN—25 bls, Wood & Selick, Hongkong

QUILLS—55 bls, O Gerdau Co, Hongkong

ROLLS—100 bls, S L Jones & Co, Hongkong
175 bls, A G Dunn, Hongkong
200 bls, W Archibald, Hongkong
50 bls, Wood & Selick, Hongkong
100 bls, H J Heinz Co, Hongkong
100 bls, Durkee Famous Food, Hongkong
200 bls, A G Dunn, Hongkong

CASTOR BEANS—3,334 bgs, Bunge North American Grain Co, Pernambuco
1,700 bgs, Mitsui & Co, Bahia
3,388 bgs, Mitsui & Co, Bahia

CHILLIES—158 bgs, Mombasa
104 bgs, Mombasa
207 bgs, Mombasa
101 bgs, Mombasa
40 bgs, Dar Es Salaam

CHROME ORE—851 tons, 8 cwt, 3 qtrs, 15 lbs, F Samuel & Co, Lourenco Marques
4,000 tons, Noumea

CINCHONA BARK—27 bgs, Pan-American Co, Puerto Barrios

CINNAMON QUILLS—170 bls, C T Wilson & Co, Colombo

CLOVES—80 bgs, Catz American Co, Menado
80 bgs, Catz American Co, Menado

COCOA BEANS—300 bgs, Scholtz & Co, La Guaira
300 bgs, Meyer & Co, La Guaira
175 bgs, Meyer & Co, Porto Cabello
185 bgs, W R Grace & Co, Porto Cabello
250 bgs, Guayaquil
650 bgs, W R Grace & Co, Guayaquil
270 bgs, Guayaquil
1,000 bgs, Curacao Trading Co, Puerto Plata
161 bgs, Curacao Trading Co, Puerto Plata
1,000 bgs, Wessel, Kulenkampf & Co, Trujillo
600 bgs, Curacao Trading Co, Trujillo
170 bgs, Cafetea Importing Co, Semarang
82 bgs, Cafetea Importing Co, Tandjong Priok
761 bgs, Daarnhouwer & Co, La Guaira
300 bgs, Kennedy, Butcher & Co, La Guaira
84 bgs, Scholtz & Co, Curacao
256 bgs, Cristobal
2,000 bgs, General Cocoa Co, Bahia
1,900 bgs, Rockwood & Co, Bahia
1,000 bgs, Bankers Trust Co, Bahia
3,000 bgs, Wessel, Kulenkampf & Co, Bahia
2,000 bgs, General Cocoa Co, Bahia

COCONUT, DESIC—2,550 cs, Philippine Desic Coconut Corp, Manila
1,186 bgs, Philippine Desic Coconut Corp, Manila
2,148 cs, Durkee Famous Food, Manila
558 cs, General Food Corp, Manila
1,050 cs, Balfour, Guthrie & Co, Manila
2,830 cs, Durkee Famous Food, Manila
1,370 cs, General Food Corp, Manila

COCONUT SHELL CHARCOAL—2,550 bgs, General Food Corp, Manila
570 bgs, I L Toledano Corp, Cristobal
781 cs, General Food Corp, Kingston
238 bgs, Universal Import & Export Co, Kingston
600 bgs, Kingston

COLORS—1 cs, Sino Java Hvg, Semarang

COPAIBA BALSAM—4 dms, W R Grace & Co, Cristobal
5 cs, Corn Exchange Bank & Trust Co, Puerto Barrios
15 cs, American Commercial Co, Puerto Barrio

CORK—78 bgs, Mundet Cork Corp, Lisbon
76 bgs, Mundet Cork Corp, Lisbon

SHAVINGS—680 bls, Cox & Fahner, Lisbon

WASTE—745 bls, Mundet Cork Corp, Lisbon
750 bls, Cox & Fahner, Lisbon
505 bls, Cox & Fahner, Lisbon

WOOD—258 bls, Chase Natl Bank, Lisbon
1,100 bls, Cox & Fahner, Lisbon

COTTON LINTERS—1,000 bgs, Williamson Product Co, Buenos Aires
100 bgs, Pan American Trading Co, Buenos Aires

COTTONSEED AND CASTOR MEAL—4,348 bgs, Santos
2,457 bgs, Santos
3,794 bgs, Buenos Aires

DRAGONS' BLOOD—9 cs, H Apelt Importing & Trading Co, Singapore

DYES, ANILIN—76 cks, Ciba Co, Lisbon
70 pkgs, Ciba Co, Lisbon

EGG YOLK, HEN—10 tins, Mitsui & Co, —

ERGOT—80 cs, National City Bank, Oporto
40 cs, S B Penick & Co, Oporto
11 dms, E Meer & Co, Oporto
11 dms, Peek & Velsor, Oporto

GAMBIER—510 cs, I Harrison & Whitney, Belawan Deli
210 bgs, E E Androvette, Singapore

GUM ARABIC—376 bgs, Innis, Speiden & Co, Mombasa
150 bgs, Frank Vliet Co, Mombasa
250 bgs, Thurston & Braidich, Mombasa
250 bgs, P A Dunkel & Co, Mombasa

BENZOIN—50 cs, Sibolga

GUM, CHICLE—115 bgs, F Huber & Co, Vera Cruz
23 bls, Chicle Development Co, Kingston
332 bgs, Chicle Development Co, Puerto Barrios

COPAL—127 baskets, Manufacturers Trust Co, Macassar
65 baskets, Bank of Manhattan, Macassar
212 baskets, Stroock & Wittenberg, Macassar
67 baskets, J Henry Schroeder Banking Co, Macassar
70 bgs, Guaranty Trust Co, Macassar
70 bgs, O G Innes Corp, Macassar
970 baskets, Guaranty Trust Co, Macassar
126 baskets, Bank of Manhattan, Macassar
215 baskets, Guaranty Trust Co, Macassar
602 baskets, Gillespie-Rogers-Pyatt Co, Macassar
63 baskets, Manufacturers Trust Co, Macassar
131 baskets, Bank of Manhattan, Macassar
135 baskets, Manufacturers Trust Co, Macassar
322 bgs, Guaranty Trust Co, Macassar
160 baskets, Bank of Manhattan, Macassar
242 baskets, Guaranty Trust Co, Macassar
187 baskets, Guaranty Trust Co, Macassar
340 baskets, Macassar
110 baskets, Guaranty Trust Co, Amboina
178 baskets, Chase National Bank, Tomini Bay
107 baskets, Batjan
75 baskets, Macassar
315 bgs, Guaranty Trust Co, Batavia
467 baskets, Guaranty Trust Co, Batavia
344 bgs, O G Innes Corp, Batavia
234 bgs, J Henry Schroeder Banking Corp, Batavia
116 baskets, O G Innes Corp, Amboina
285 bgs, O G Innes Corp, Manila
59 bgs, Stroock & Wittenberg, Manila
246 bgs, W H Scheel, Manila
150 bgs, S Winterbourne & Co, Manila
60 bgs, Stroock & Wittenberg, Manila
70 bgs, American Cyanamid & Chem Co, Singapore

DAMMAR—420 bgs, O G Innes Corp, Singapore
140 bgs, Stroock & Wittenberg, Macassar
140 bgs, Macassar
200 cs, Chase National Bank, Batavia
200 cs, Manufacturers Trust Co, Batavia
420 bgs, Gillespie-Rogers-Pyatt Co, Singapore
210 bgs, France, Campbell & Darling, Singapore
210 bgs, Thurston & Braidich, Singapore
280 bgs, G W S Patterson & Co, Singapore
50 cs, Gillespie-Rogers-Pyatt Co, Singapore
420 bgs, Gillespie-Rogers-Pyatt Co, Singapore
210 bgs, W H Scheel, Singapore
210 bgs, O G Innes Corp, Singapore
210 bgs, Stroock & Wittenberg, Singapore
210 bgs, Gillespie-Rogers-Pyatt Co, Singapore
100 cs, O G Innes Corp, Singapore
210 bgs, W H Scheel, Singapore
210 bgs, Stroock & Wittenberg, Singapore
420 bgs, O G Innes Corp, Singapore

ELEMI—435 cs, American Cyanamid & Chem Co, Manila

KAURI—55 cs, Stroock & Wittenberg, Auckland
10 cs, France, Campbell & Darling, Auckland

PE LA—60 bls, Chicle Development Co, Barranquilla
17 bls, Chicle Development Co, Cristobal

HOREHOUND HERBS—71 bgs, R J Prentiss & Co, Alicante

IRON OXIDE—25 bbls, Irving Trust Co, Malaga
100 bbls, Reichard Coulston, Malaga
125 bbls, C K Williams & Co, Malaga
80 bbls, J Lee Smith & Co, Malaga
400 bbls, Reichard Coulston, Malaga
230 bbls, Bank of Manhattan, Malaga
250 bbls, Continental Bank Trust Co, Malaga

KOLA NUTS—200 bgs, D Steengrafe, Kingston

KYANITE ORE—250 tons, New York Trust Co, Calcutta

LICORICE EXTRACT—300 cs, Marcel Blanc, Valencia

MACE—54 cs, Catz American Co, Macassar
22 cs, Knickerbocker Mills Co, Macassar
16 cs, Chemical Bank & Trust Co, Macassar
56 cs, Catz American Co, Macassar
20 cs, Macassar
45 cs, Banda
64 cs, Banda
40 cs, Banda
17 pkgs, Banda
44 cs, Menado
32 cs, Knickerbocker Mills Co, Menado
22 cs, Menado
14 cs, Catz American Co, Macassar
19 cs, Knickerbocker Mills Co, Batavia
14 cs, Banda

MANGROVE BARK—1,514 bgs, Zanzibar
3,850 bgs, Dar Es Salaam

MANIOC MEAL—510 bgs, Sourabaya
450 bgs, Morningstar Nicol, Rio Janeiro

MICA, BLOCK—11 cs, Soeldner, Heyman Co, Calcutta
14 cs, Corn Exchange Bank Trust Co, Calcutta

SPLITTINGS—16 cs, Mercantile Import & Export Co, Calcutta
1 cs, Corn Exchange Bank Trust Co, Calcutta

MINERAL—12 cs, Watson, Geach & Co, Barranquilla

CONCENTRATES—326 bgs, W R Grace & Co, Cartagena

NUTMEGS—33 cs, Catz American Co, Macassar
40 bgs, Catz American Co, Macassar
78 bgs, Banda
207 bgs, Macassar
53 bgs, Banda
78 bgs, Catz American Co, Banda
63 bgs, Banda
50 bgs, Banda
28 bgs, Banda

OIL, CAJEPUT—3 dms, Guaranty Trust Co, Macassar

CANANGA—5 dms, Guaranty Trust Co, Batavia
1 dm, Batavia
2 dms, Guaranty Trust Co, Batavia

OIL, CHINAWOOD—100 dms, S L Jones & Co, Shanghai

CITRONELLA—16 dms, Chase Natl Bank, Batavia
7 dms, Sourabaya
7 dms, Batavia
28 dms, Chase Natl Bank, Batavia
162 cs, Batavia
16 dms, Guaranty Trust Co, Batavia
42 dms, National City Bank, Batavia
40 dms, National City Bank, Batavia
76 dms, Chase Natl Bank, Batavia
22 dms, Guaranty Trust Co, Batavia

COCONUT—765 tons, Pacific Vegetable Oil Co, Cebu
628 tons, Spencer Kellogg & Sons, Manila
467 tons, Philippine Refg Corp, Cebu
300 tons, Manila

COD—52 cks, Canada

CODLIVER—50 dms, Canada
588 dms, Iceland

FISH LIVER—15 dms, Consumers Import Co, Yokohama

ORANGE—1 dm, P Chaleyer, Cristobal
2 dms, Fritzsche Bros, Kingston
7 cs, Fritzsche Bros, Kingston

PALM—252 tons, Guaranty Trust Co, Belawan Deli
509 tons, Belawan Deli
506 tons, Balfour, Guthrie & Co, Belawan Deli
429 tons, Guaranty Trust Co, Belawan Deli
525 tons, Belawan Deli
425 tons, Banque Belge pour l'Etranger, Belawan Deli
514 tons, Belawan Deli
507 tons, Belawan Deli
250 tons, Palembang
273 tons, Mincing Trading Co, Belawan Deli
364 tons, Banque Belge pour l'Etranger, Belawan Deli
370 tons, Guaranty Trust Co, Belawan Deli
340 tons, Banque Belge pour l'Etranger, Belawan Deli
713 tons, Belawan Deli

PATCHOULI—4 dms, Guaranty Trust Co, Batavia
1 dm, Bankers Trust Co, Batavia
2 dms, Batavia
1 dm, Guaranty Trust Co, Batavia

ROSEMARY—49 dms, Alicante

VITIVER—2 dms, Guaranty Trust Co, Batavia

ORANGE PEEL—102 mats, Panama Pacific Line, Malaga

PALM KERNEL—1,328 bgs, Belawan Deli

PARAFFIN — 6 cs, Atlantic Refining Co, Capetown

PEPPER, BLACK—800 bgs, Guaranty Trust Co Batavia

WHITE—162 bgs, Sino Java Hvg, Belawan Deli
82 bgs, J Henry Schroeder Banking Corp, Toboali

PHOSPHORUS AMORPHOUS—100 cs, H H Rosenthal Co, Shanghai

PIMENTO—100 bgs, Mincing Trading Corp, Kingston
50 bgs, Parrish Bros, Kingston
25 bgs, Kingston
50 bgs, Barclay Bank, Kingston
100 bgs, Mincing Trading Corp, Kingston
100 bgs, Kingston

PYRETHRUM FLOWERS—525 bls, Mombasa
625 bls, Mombasa
250 bls, Mombasa
10 bls, Dar Es Salaam

PYRITES—1,770 bgs, Flomarcy Co, Oporto

QUININE SULPHATE—3 cs, Guaranty Trust Co, Tandjong Priok

SAGO FLOUR—1,600 bgs, W R Grace & Co, Singapore
400 bgs, W R Grace & Co, Singapore

SAPONIN—11 cs, W R Grace & Co, Valparaiso

SENNA LEAVES—75 bls, S B Penick & Co, Colombo
80 bls, Colombo

SESAME SEED—100 bgs, Wah Young Co, Hongkong
112 bgs, Levy & Levis Co, Hongkong

SHELLAC—200 bgs, E E Androvette, Calcutta
100 bgs, Schwab Bros Corp, Calcutta
100 cs, Gillespie-Rogers-Pyatt Co, Calcutta
100 bgs, Ralli Bros, Calcutta
400 bgs, Ralli Bros, Calcutta
300 bgs, Ralli Bros, Calcutta
200 bgs, E E Androvette, Calcutta
200 bgs, E E Androvette, Calcutta

BUTTON LAC—100 bgs, Gillespie-Rogers-Pyatt Co, Calcutta

SEEDLAC—250 bgs, Mac Lac Co, Calcutta
200 bgs, Corn Exchange Bank Trust Co, Calcutta
200 bgs, Mac Lac Co, Calcutta
100 bgs, Mantrose Corp, Calcutta
250 bgs, Mac Lac Co, Calcutta
150 bgs, Mac Lac Co, Calcutta

SPONGES—22 bls, Havana
18 bls, Havana

TALC—2,000 bgs, East Asiatic Co, Hongkong

TANKAGE—1,016 bgs, C Hollensed Co, Montivedeo
993 bgs, Rosario
993 bgs, H J Baker & Bros, Buenos Aires
1,982 bgs, H J Baker & Bros, Rio Janeiro

TAPIOCA, FLAKE—714 bgs, Stein, Hall & Co, Sourabaya
1,368 bgs, Stein, Hall & Co, Sourabaya
433 bgs, Stein, Hall & Co, Sourabaya

FLOUR—250 bgs, Cheribon
276 bgs, Chase Natl Bank, Sourabaya
5 pkgs, Sino Java Hvg, Cheribon
500 bgs, Cheribon
1,000 bgs, Cheribon
500 bgs, Bank of New York, Sourabaya
300 bgs, Irving Trust Co, Cheribon
277 bgs, Chase Natl Bank, Sourabaya
276 bgs, Chase Natl Bank, Sourabaya
252 bgs, Chase Natl Bank, Sourabaya
1,564 bgs, Stein, Hall & Co, Sourabaya
500 bgs, W R Grace & Co, Semarang
2,210 bgs, Pasoeroean
2,304 bgs, Pasoeroean
2,500 bgs, Guaranty Trust Co, Tjilatjap
700 bgs, Chase Natl Bank, Cheribon
500 bgs, Bank of New York, Cheribon
250 bgs, Chase Natl Bank, Batavia
1,312 bgs, Stein, Hall & Co, Sourabaya
500 bgs, Guaranty Trust Co, Sourabaya
1,070 bgs, Balfour, Guthrie & Co, Pamanoekan
500 bgs, Chase Natl Bank, Batavia
1,000 bgs, Guaranty Trust Co, Batavia
500 bgs, Guaranty Trust Co, Batavia
3,104 bgs, Pasoeroean
250 bgs, Philadelphia Natl Bank, Cheribon

TAPIOCA, PEARL—56 bgs, Cheribon
542 bgs, Stein, Hall & Co, Sourabaya

ROOT—400 bgs, H P Winter & Co, Semarang

SEED—586 bgs, Stein, Hall & Co, Sourabaya

TARTAR—935 bgs, Lisbon

THYME LEAVES—145 bgs, Alicante
72 bgs, Peek & Velsor, Alicante
388 bgs, Alicante
150 bgs, S B Penick & Co, Alicante

TIN BARRILLO — 700 bgs, Philipp Bros, Arica
1,086 bgs, Philipp Bros, Arica

TOLU BALSAM—15 cs, Wesel, Duval & Co, Barranquilla
25 cs, Pan American Export & Import Co, Barranquilla
21 cs, Wessel, Duval & Co, Barranquilla
10 cs, Mecke & Co, Barranquilla

TUBA ROOT—48 bls, Dodwell & Co, Singapore

TUNGSTEN ORE — 20 bgs, Philipp Bros, Capetown

VANADIUM ORE — 5,179 bgs, Vanadium Corp of America, Callao
2,743 bgs, Vanadium Corp of America, Callao

VANILLA BEANS—3 cs, Tandjong Priok

WATTLE BARK—1,100 bls, Mombasa
2,735 bls, Mombasa
2736 bls, Mombasa
2,551 bls, Mombasa

EXTRACT—220 bls, Mombasa

WAX—3 cs, R F Vaughan, Palembang

BAYBERRY—14 bgs, Strohmeyer & Arpe Co, Buenaventura

BEES—501 bgs, W R Grace & Co, Talcuhuano
43 bgs, W R Grace & Co, Valparaiso
17 bgs, Lenape Trading Co, Trujillo
31 bgs, Curacao Trading Co, Trujillo
30 pkgs, Mocambique
189 bls, Chase National Bank, Lisbon
38 bgs, Havana

WETTING AGENT—44 cks, Ciba Co, Lisbon

WOLFRAM ORE—20 bgs, Watson, Geach & Co, Capetown
100 bgs, Metal Traders, Oporto
27 bbls, Metal Traders, Oporto

YEAST—1 pkg, Standard Brands, Havana

ZINC CONCENTRATES — 1,021,210 kilos, Cerro de Pasco Copper Co, Callao

New York Transit Imports

CASSIA—50 bgs, P H Petry & Co, Hongkong, Minneapolis

BUDS—75 pkgs, R T French Co, Hongkong, Rochester

COTTONSEED MEAL—1,000 bgs, West Texas Cotton Oil Co, Buenos Aires, Texas

FISH LIVERS—4 bbls, Bank of Montreal, Funchal, Canada

OIL, CHINAWOOD—145 dms, J L Dirickx, Hongkong, San Francisco

JALAP ROOT—16 bgs, Parke, Davis & Co, Vera Cruz, Detroit

MANGANESE ORE—2,000 tons, Philadelphia National Bank, Durban, Hampton Roads

MENTHOL—25 cs, Japan

QUININE SULPHATE—200 cs, First National Bank, Tandjong Priok, St Louis

TALC — 138 bgs, D M Steward Mfg Co, Lourenco Marques, Chattanooga

VANILLA BEANS—15 cs, M Cortizas Co, Vera Cruz, Philadelphia

WAX, BEES—24 bgs, Van Oppen Co, Havana, Syracuse

Baltimore Imports

BONE GRIST—1,815 bgs, Buenos Aires

COTTONSEED MEAL—900 bgs, Santos

ILMENITE SAND—7,450 tons, Cochin

IRON ORE—21,500 tons, Bethlehem Steel Co, Cruz Grande

MANGANESE ORE—8,000 tons, Rio Janeiro
7,800 tons, Rio Janeiro
8,054 tons, Durban
6,620 tons, Bethlehem Steel Co, Durban
1,700 tons, Calcutta
7,300 tons, Rio Janeiro

PETROLEUM, CRUDE—75,936 bbls, Pan American Ref Corp, Las Piedras

QUEBRACHO EXTRACT—2,721 bgs, Buenos Aires
14,482 bgs, Buenos Aires

TANKAGE—2,000 bgs, Montevideo
3,000 bgs, Santos
2,640 bgs, Buenos Aires
1,120 bgs, Santos
6,632 bgs, Buenos Aires

Boston Imports

CORUNDUM—571 bgs, Watson, Geach & Co, Lourenco Marques
844 bgs, Watson, Geach & Co, Lourenco Marques
853 bgs, Watson, Geach & Co, Lourenco Marques
330 bgs, Watson, Geach & Co, Lourenco Marques

GAMBIER—120 cs, L Littlejohn & Co, Singapore

MANGROVE BARK—1,300 bgs, Zanzibar

MICA SPLITTINGS—150 cs, Irving Trust Co, Calcutta

PEPPER, WHITE—84 bgs, Nederlansche Handel Mij, Batavia

SAGO FLOUR—400 bgs, W R Grace & Co, Singapore

SHELLAC—250 bgs, Wm Zinsser & Co, Calcutta
250 bgs, Wm Zinsser & Co, Calcutta

SEEDLAC—200 bgs, Schwab Bros Corp, Calcutta
200 bgs, Parks Co, Calcutta
200 bgs, First Natl Bank, Calcutta

TAPIOCA FLOUR—250 bgs, W R Grace & Co, Semarang
1,103 bgs, Arnold Hoffman Co, Pasoeroean
2,737 bgs, Central Hanover Bank Trust Co, Pasoeroean
250 bgs, First Natl Bank, Cheribon
250 bgs, Cheribon
1,070 bgs, Balfour, Guthrie & Co, Panaoekan
200 bgs, First Natl Bank, Batavia

WATTLE BARK—275 bls, Mombasa

Charleston Imports

TAPIOCA FLOUR—547 bgs, Stein, Hall & Co, Sourabaya
250 bgs, Cheribon
533 bgs, Chase Natl Bank, Cheribon
249 bgs, Guaranty Trust Co, Cheribon
250 bgs, Chase Natl Bank, Cheribon
200 bgs, Guaranty Trust Co, Tandjong Priok

Jacksonville Imports

TAPIOCA FLOUR—300 bgs, Cheribon

Los Angeles Imports

AGAR—30 lbs, Yokohama
AMMONIA PHOSPHATE—246,400 lbs, Trail
APRICOT KERNELS—1,520 lbs, Hongkong
CASSIA, ROLL—13,330 lbs, Hongkong
COCONUT DESIC—33,450 lbs, Manila
16,000 lbs, Manila
COPRA—1,079,680 lbs, Philippine Islands
560,000 lbs, Cebu
627,200 lbs, Zamboanga
MEAL—3,000 bgs, 300,000 lbs, Manila
7,528 bgs, 752,800 lbs, Manila
16,500 bgs, 1,650,000 lbs, Manila
FISH LIVERS—85 cs, 7,010 lbs, Shimizu
85 tins, 3,400 lbs, Japan
200 tins, 8,000 lbs, Tokio
253 tins, 10,120 lbs, Yokohama
419 pkgs, 21,520 lbs, Yokohama
IRON OXIDE—28,660 lbs, Malaga
33,060 lbs, Malaga
LOTUS NUTS, DRD—240 lbs, Hongkong
MEDICINAL PREPS—40 lbs, Hongkong
NUTMEGS, UNGRND—2,260 lbs, Straits Settlements
OIL, CHINAWOOD—10,500 lbs, China
OITICICA—11,190 lbs, Ceara
OLIVE—88,030 lbs, Greece
87,500 lbs, Greece
PALM—1,352,860 lbs, Medan
PEANUT—3,600 lbs, Hongkong
SESAME—300 lbs, Hongkong
TEASEED—11,750 lbs, Hongkong
PALM KERNELS—1,118,750 lbs, Medan
PEANUT MEAL—20,000 lbs, Tsingtao
SESAME SEED—180 lbs, Japan
SIENNA, GRND—4,560 lbs, Leghorn
TAPIOCA FLOUR—75,420 lbs, Batavia
10,510 lbs, Hongkong

Newport News Imports

CHROME ORE—1,500 tons, E J Lavino & Co, Beira
278 tons, E J Lavino & Co, Beira

Norfolk Imports

BLOOD, DRIED—1,000 bgs, Montevideo
HOOF MEAL—2,023 bgs, Armour & Co, Montevideo
LIVER MEAL—200 bgs, J C Lett, Buenos Aires
QUEBRACHO EXTRACT—3,214 bgs, Tannin Corp, Buenos Aires
TANKAGE—1,000 bgs, Swift & Co, Montevideo
1,000 bgs, Swift & Co, Montevideo
2,240 bgs, Santos
TAPIOCA FLOUR—2,188 bgs, Stein, Hall & Co, Sourabaya
2,797 bgs, Stein, Hall & Co, Sourabaya
9,734 bgs, Stein, Hall & Co, Sourabaya
750 bgs, Guaranty Trust Co, Cheribon
250 bgs, Chase National Bank, Cheribon
250 bgs, Philadelphia National Bank, Cheribon
584 bgs, Guaranty Trust Co, Cheribon
300 bgs, Guaranty Trust Co, Batavia
250 bgs, Guaranty Trust Co, Batavia
217 bgs, Guaranty Trust Co, Sourabaya
189 bgs, Guaranty Trust Co, Sourabaya
500 bgs, Guaranty Trust Co, Tandjong Priok
WATTLE BARK—275 bls, Tannin Corp, Durban
275 bls, Tannin Corp, Durban

Philadelphia Imports

CASSIA—670 bls, Hongkong
CORK, VIRGIN—5,345 bls, Armstrong Cork Co, Lisbon
WASTE—5,217 bls, Armstrong Cork Co, Lisbon
9,436 bls, Armstrong Cork Co, Lisbon
WOOD—284 bls, Armstrong Cork Co, Lisbon
CHROME ORE—2,078 tons, Baracoa
COCOA BEANS—500 bls, Tandjong-Priok
8,026 bgs, Balfour, Guthrie & Co, Lagos
1,600 bgs, Barclay's Bank, Accra
4,800 bgs, Balfour, Guthrie & Co, Winneba
11,200 bgs, Inter-Continental Trading Corp, Takoradi
5,600 bgs, Balfour, Guthrie & Co, Takoradi
COTTONSEED MEAL—6,659 bgs, Santos
400 bgs, West Texas Cottonseed Oil Co, Santos
GLUE STOCK—70 bls, Manufacturers Trust Co, Buenos Aires
IRON ORE—97 tons, Lever Bros & Co, Liverpool
LINSEED—3,450 bgs, Montevideo
MANGANESE ORE—8,730 tons, Takoradi
PETROLEUM, CRUDE—60,000 bbls, Atlantic Refining Co, Las Piedras
QUEBRACHO EXTRACT—11,668 bgs, Tannin Corp, Buenos Aires
TANKAGE, GRD—1,833 bgs, Buenos Aires
2,037 cakes, 4 bgs, Buenos Aires
TAPIOCA FLOUR—3,056 bgs, National City Bank of New York, Sourabaya
250 bgs, Chase National Bank, Cheribon

Savannah Imports

TAPIOCA FLOUR—250 bgs, Chase National Bank, Cheribon

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended September 11

Cassia oil, 10 drums; not U.S.P.
Cod oil, 20 drums; restricted use.
Mace, 69 cases; insect infested.
Medicinal preparations, 2 cases; false therapeutic claims.
Medicinal preparations, 2 cases; false therapeutic claims; new drug.
Medicinal preparations, 1 package; not properly labeled.
Medicinal preparations, 2 packages; new drug.
Olive oil, 1,808 cases; deceptive container; not properly labeled.
Orange oil, 30 drums; not U.S.P.
Scammony root, 21 bags; moldy and insect infested.

Atlanta

Week Ended September 11

Medicinal preparations, 94 packages; new drug; not properly labeled.

Denver

Week Ended September 5

Marjoram leaves, 366 pounds; contains soil or clay.

Philadelphia

Week Ended September 11

Liver extract, 1 package; not U.S.P.
Medicinal preparation, 1 package; false therapeutic claims.
Thyroid powder, 1 tin; not U.S.P.

San Francisco

Week Ended September 5

Medicinals, 160 pieces; false therapeutic claims.
Medicinals, 228 pieces; directions not stated; contents not stated.
Medicinals, 90 pieces; false therapeutic claims; ingredients not listed; contents not stated; directions not stated.

Seattle

Week Ended September 5

Cosmetic, 56 pieces; false therapeutic claims.
Medicinal, 10 pieces; false therapeutic claims.

Exports from U.S. Ports

Baltimore Exports

ACETONE—2,142 lbs, Port Natal
AMMONIA SULPHATE—146,000 lbs, Beira
BARIUM CHLORIDE—23,580 lbs, Lourenco Marques
CALCIUM ARSENATE—1,008 lbs, Lourenco Marques
ETHYL ACETATE—11,312 lbs, Port Natal
GLUE, LIQ—380 lbs, Capetown
INSECTICIDE—65,087 lbs, Capetown
LEAD ARSENATE—78,320 lbs, Capetown; 4,512 lbs, Lourenco Marques
LITHOPONE—65,000 lbs, Port Natal
PASTE, POWD—2,000 lbs, Mombasa
PINETAR—1,936 lbs, Port Elizabeth
POTASH, SULPHATE—20,000 lbs, Capetown; 270 tons, Capetown; 198,200 lbs, Capetown

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Los Angeles Exports

ACID, BORIC—20 bgs, 2,240 lbs, Bombay; 200 bgs, 22,400 lbs, Madras; 20 bgs, 2,240 lbs, Rangoon; 20 bgs, 2,240 lbs, Rangoon; 100 bgs, 11,200 lbs, Hongkong; 179 bgs, 20,240 lbs, Santos; 120 bgs, 13,440 lbs, Rio de Janeiro
MURIATIC—20 lbs, Medellin
ALCOHOL, DEN—4,320 lbs, Hongkong
ALUMINUM POWDER—1,000 lbs, Callao
AMMONIA, ANHYD—100 lbs, La Libertad
ASPHALT—20 bbls, 9,050 lbs, Bombay; 31 dms, 14,360 lbs, Cebu
LIQUID—20 dms, 9,790 lbs, Bombay
SOLID—25 bbls, 11,760 lbs, Manila
BARYTES—10,000 lbs, Hongkong
BLANC FIXE—40 bgs, 2,000 lbs, Hongkong
BLUE, ULTRAMARINE—5,500 lbs, Mazatlan; 4,550 lbs, Los Mochis
BORAX—200 bgs, 22,400 lbs, Rangoon; 20 cs, 2,240 lbs, Mazatlan; 200 bgs, 22,400 lbs, Hongkong; 125 cs, 12,500 lbs, Manila; 600 bgs, 66,140 lbs, Sao Paulo
BLACK, CARBON—1,390 lbs, Bombay
BORAX—20 bgs, 2,240 lbs, Bombay
CALCIUM ARSENATE—66,000 lbs, Buenos Rires
PHOSPHATE—650 lbs, Manzanillo
CATTLE HOOFS—66,000 lbs, Osaka
CEMENT COMPOUND, LIQ—990 lbs, Balboa
CHALK, PRECIP—300 lbs, Manila
CHILI POWDER—100 lbs, Cristobal
CLAY—22 bgs, 2,200 lbs, La Libertad
DRILLING—100 bgs, 1,000 lbs, Negritos
FILTER—6 bgs, 300 lbs, Guayaquil
CLEANER—300 lbs, Buenos Aires; 1,840 lbs, Hongkong; 2,240 lbs, Hongkong
DIATOMACEOUS EARTH—1,000 bgs, 100,000 lbs, Glasgow; 275 bgs, 22,400 lbs, Liverpool; 440 bgs, 44,000 lbs, Valparaiso; 124 bgs, 12,400 lbs, Emmastad; 600 bgs, 60,000 lbs, Santos; 60 bgs, 2,940 lbs, La Guaira; 13 bgs, 1,300 lbs, Puntarenas; 650 bgs, 65,000 lbs, Salaverry
DIBUTYL PHTHALATE—960 lbs, Hongkong
DRUGS—320 lbs, Manila
GASOLINE—16,778 bbls, Balboa; 8,252 bbls, Cristobal; 74,620 bbls, Sydney; 200 dms, Alto La Paz
GELATIN—20,000 lbs, La Union
GREASE—6 bxs, 100 lbs, London; 50 bbls, 11,250 lbs, Manila
HOPS—1,110 lbs, Pernambuco
INSECTICIDE, AGRIC—5,400 lbs, Pisco
KEROSENE—3,442 bbls, Balboa; 3,580 bbls, Cristobal; 3,321 bbls, Sydney
LACQUER—5,690 lbs, Manila; 1,560 lbs, Puntarenas
THINNER—5,280 lbs, Puntarenas
LEAD, RED—1,500 lbs, Santa Rosalia
WHITE, DRY—200 lbs, Santa Rosalia
LITHOPONE—2,000 lbs, Hongkong
LUBRICANT—130 lbs, Manila
MEDICINAL PREPS—250 lbs, Manila; 440 lbs, Buenos Aires
METHYL CHLORIDE—6 cyls, 360 lbs, Hongkong
MILK POWDER—50 lbs, Kobe
SKIM, POWD—18,000 lbs, Mexico City
OIL, COCONUT—100 dms, 41,160 lbs, Buenaventura; 15 dms, 6,000 lbs, Cartagena
COTTONSEED—5,390 lbs, Manila
DIESEL—50,267 bbls, Manila/Cebu; 18,180 bbls, Vancouver; 3,361 bbls, Coquimbo; 26,410 bbls, Gensan; 1 dm, Tsingtao; 61,146 bbls, Balboa; 38,761 bbls, Tsurumi; 1,456 bbls, Porto Armuelles; 100 dms, Puntarenas
FISH, HYDROG—75 bgs, 12,000 lbs, San Jose de Guatemala
FUEL—46,979 bbls, Manila/Cebu; 22,704 bbls, Santa Rosalia; 40,921 bbls, Manila; 55,097 bbls, San Jose de Guatemala; 12,103 bbls, Balboa; 18,275 bbls, Tsurumi
LUBRICATING—2 pkgs, London; 25 dms, Manila; 71 pkgs, Manila
PALM, HYDROG—1,000 bgs, 100,000 lbs, Manila
SOYBEAN—840 lbs, Guayaquil
PAINT—1,400 lbs, Havana; 1,400 lbs, Hongkong; 720 lbs, Manila
PASTE—300 lbs, Havana
PARAFFIN, REFD—130 lbs, Santa Rosalia
PECTIN, CITROUS—100 lbs, La Guaira
PETROLEUM, CRUDE—53,494 bbls, Ioco; 65,695 bbls, Ioco
GAS, LIQ—20 cyls, 4,300 lbs, Manila
SOLVENT—41 dms, Vancouver; 4 dms, Port Moody; 70 dms, Victoria
POLISH—50 lbs, Puntarenas
PUTTY—20 lbs, Puntarenas
SALTCAKE—3,400 lbs, Manila; 110,250 lbs, Rio Janeiro
SHELLAC, ORANGE—20 lbs, Santa Rosalia
SODA ARSENITE—5 lbs, Hongkong
CYANIDE, WHITE—6,720 lbs, Mollendo
PHOSPHATE DI—5,000 lbs, Manila
SULPHATE—3,400 lbs, Manila
STARCH—600 lbs, Yokohama
TALC—450 bgs, 45,000 lbs, Manila; 120 sx, 6,720 lbs, Corinto; 50 bgs, 5,600 lbs, San Jose; 80 sx, 4,480 lbs, Quito; 80 sx, 4,480 lbs, Guayaquil
TITANIUM OXIDE—2,500 lbs, Hongkong
TOILET PREPS—210 lbs, Port Prince; 150 lbs, Singapore; 840 lbs, Bangkok; 650 lbs, Manila; 770 lbs, Panama City; 200 lbs, San Salvador; 60 lbs, Managua; 700 lbs, Bogota
WAX, REFD—17 cs, 3,630 lbs, Liverpool
ZINC, STEARATE—100 cs, Manila

New Orleans Exports

CALCIUM ARSENATE—10 tons, Cristobal
FERROMANGANESE—25 tons, Cristobal
GASOLINE — 27 tons, Havana; 211 tons, Puerto Cortez; 40 tons, Ceiba; 304 tons, Puerto Cabezas
AVIATION—10 tons, Ceiba
LARD—22 tons, Barranquilla; 42 tons, Puerto Limon; 19 tons, Havana; 36 tons, Cristobal; 20 tons, Vera Cruz
LIME, HYDRATED—300 tons, Ceiba
OIL, COTTONSEED—42 tons, Cristobal
DIESEL—156 tons, Ceiba
FUEL—14 tons, Bluefields
LUBRICATING—11 tons, Barranquilla
PARAFFIN—112 tons, Vera Cruz
ROSIN—41 tons, Cristobal
SALT—77 tons, Havana; 21 tons, Cristobal
SULPHUR—20 tons, Vera Cruz
SUPERPHOSPHATE—25 tons, Ceiba

Philadelphia Exports

COALTAR INTERMEDIATES—10 dms, Kobe
COCOA BUTTER—50 cs, Yokohama
KEROSENE—600 dms, Yokohama
OIL, LUBRIC—240 dms, Singapore; 5 dms, Penang; 1,610 dms, Yokohama; 386 dms, Osaka; 577 dms, Moji; 636 dms, Kobe
PARAFFIN—900 bgs, Tientsin
SODA, ASH—457 bgs, Belawan Deli; 644 bgs, Batavia; 150 bgs, Pangkal-Pinang

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Edible Oils:—Chile has established import quotas for edible oils.

Margarin:—Sweden has continued the duty on imports of margarin at the rate 0.70 crown per kilo for one year beginning July 1, 1940.

Rosin:—United Kingdom Board of Trade announced that 5,000 tons of rosin will be permitted to be imported during October.

Soap:—St. Pierre and Miquelon imports of soap are exempt from license requirements.

Sulphur Dioxide:—Algeria has subject to license the importation and reexportation of surphur dioxide.

Turpentine:—The United Kingdom Board of Trade has announced the revocation of the existing open general license for the importation of turpentine and pine oil.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—49,557 bbls, Portland; 2,744 bbls, San Diego; 2,029 bbls, San Diego; 2,224 bbls, San Diego; 1,405 bbls, San Diego; 70,000 bbls, Portland; 16,898 bbls, San Diego; 2,586 bbls, San Diego; 16,806 bbls, Seattle; 33,308 bbls, Seattle; 2,911 bbls, Seattle; 10,338 bbls, Oleum; 19,064 bbls, Monterey
OIL, DIESEL—12,611 bbls, Portland; 10,000 bbls, Portland; 2,185 bbls, San Diego; 1,447 bbls, San Diego; 8,855 bbls, Oleum
FUEL—100,208 bbls, Richmond; 102,834 bbls, Richmond; 70,218 bbls, Willbridge; 11,996 bbls, San Diego; 34,730 bbls, Oleum
FURNACE—4,424 bbls, Seattle; 5,683 bbls, Richmond
PETROLEUM, CRUDE—68,190 bbls, Avon
SOLVENT—25,939 bbls, Paulsboro

Bids Wanted

Acetylene Tetrachloride:—30,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 331, opening September 25.

Acid Sulphuric:—50,000 pounds; Commanding Officer, Frankfort Arsenal, Pa.; procurement 625, opening September 18.

Alumina Sulphate:—75,000 pounds; Contracting Officer, Q.M. Corps, Fort Monroe, Va.; invitation 570-34, opening September 27.

Ammonia, Anhydrous:—900 pounds; Contracting Officer, Q.M. Corps, Fort Monroe, Va.; invitation 570-34, opening September 27.

Asphalt, Cutback:—5,500 gallons; U. S. Engineer Office, Second District, New Orleans, La.; invitation 93, opening September 18.

Chlorine:—5,850 pounds; Contracting Officer, Q.M. Corps, Fort Monroe, Va.; invitation 570-34, opening September 27.

Dichlorodimethylhydantoin:—2,200 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 330, opening September 25.

Dinitrochlorobenzene:—800 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 576, opening September 18.

Green, Chrome:—500 pounds; Government Printing Office, Washington, D. C.; opening September 18.

Lime, Quick:—16,000 pounds; Contracting Officer, Q.M. Corps, Fort Monroe, Va.; invitation 570-34, opening September 27.

Magnesium Powder:—500 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 562, opening September 18.

Naphthalene, Flake:—50,000 pounds; Quartermaster Supply Officer, New York General Depot, Army Base, Brooklyn, N. Y.; invitation 626-107, opening September 20.

Oil Castor:—3,150 gallons, for Eastern and Western Yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3209, opening October 4.

Lard:—4,500 gallons; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, Ohio; circular 544, opening September 20.

Olive:—13,000 quart cans; Purchasing and Contracting Officer, Medical Section, S.F.G.D., Fort Mason, Calif.; invitation 4, opening September 19.

Potash Chlorate:—100 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 563, opening September 20.

Soda, Caustic:—50,000 13-ounce cans; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; invitation 626-98, opening September 21.

Bichromate:—4,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 594, opening September 20.

Hypochlorite:—2,680 gallons; CCC Purchasing and Contracting Officer, Trenton, N. J.; invitation 5219-10, opening September 24.

Nitrate:—2,000,000 pounds, for White Plains, Md.; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3185, opening September 24.

Strontium Nitrate:—900 pounds; Commanding Officer, Springfield Armory, Mass.; procurement 563, opening September 18.

Tallow:—84,000 pounds, for Eastern Yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C., schedule 3206, opening October 4.
44,000 pounds, for Western yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C., schedule 3206, opening October 4.

Tetryl:—50,000 pounds; for Yorktown, Va.; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3031, opening September 17.

Wax, Floor:—22,000 gallons, water emulsion; Procurement Division, Veterans Administration, Washington, D. C.; invitation 50-S, opening September 23.
16,000 pounds; Depot Quartermaster, Marine Corps, 1100 So. Broad street, Philadelphia; schedule 347, opening September 18.

Priorities Tells of Printing

The fifth centennial of printing is the theme of the leading article in the September issue of *Priorities*, house organ of the Prior Chemical Corporation, this city. High points touched on include the significance of the invention, the beginnings of the art in this hemisphere and the array of accumulated knowledge of the ages it has made available. The high rank attained by printing as an industry is noted, as is the fact that 1940 is an anniversary year for a surprising number of milestones in the development of printing and its allied industries.

Machinery & Equipment Corporation, 59 East Fourth street, has been formed by Harry Pearlman and Irving H. Laskey, who were formerly affiliated with the First Machinery Corporation, this city.

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Amyl Borate

(Amylborat, Borate Amylique, Borate d'Amyle, Borsauresamylester)

Ceramic

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used as coatings for protecting and decorating ceramic products

Chemical

Organic reactant offering following properties—
- High-boiling liquid
- Miscible with most organic solvents
- Stable

Reactant in—
- Organic syntheses

Solvent for—
- Benzyl abietate
- Cumar resins
- Ester gum
- Mastic
- Oils

Electrical

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used for covering and insulating wire and electrical machinery and equipment

Fats and Oils

Solvent for—
- Oils

Firefighting

Solvent in—
- Fireproofing compositions

Glass

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Leather

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabrication

Adhesion promoter in—
- Cellulose derivative films used for decorating metal articles

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used as coatings for protecting and decorating metal articles

Miscellaneous

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used as coatings for protecting and decorating articles of various materials

Solvent for—
- Oils in various processes

Paint and Varnish

Adhesion promoter for—
- Cellulose derivative films on metal surfaces

Gelling preventer for—
- Nitrocellulose bronze lacquers

Solvent and inflammability reducer in—
- Paints, varnishes, lacquers, enamels, dopes, and the like

Solvent for—
- Oils
- Resins

Paper

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Photographic

Inflammability reducer in—
- Films

Plastics

Inflammability reducer in—
- Plastic compositions

Solvent for—
- Resins

Resins

Solvent for—
- Benzyl abietate
- Cumar resins
- Ester gum
- Mastic

Rubber

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used as coatings for protecting and decorating rubber goods

Stone

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used as coatings for protecting and decorating artificial and natural stone

Textile

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used as coatings for protecting and decorating textile fabrics

Wood

Solvent and inflammability reducer in—
- Compositions, containing cellulose derivatives or resins, used as coatings for protecting and decorating woodwork

---

3-N-Butoxycyclotetramethylenesulphone

Chemical

Intermediate (Brit. 489974) in making—
- Textile assistants

Dye

Intermediate (Brit. 489974) in making—
- Dyestuffs

Betadiamylaminoethylurea

Chemical

Starting point (Brit. 497042 and 497043) in making—
- Textile assistants

Hexanol, Normal

(Normal Hexyl Alcohol)

Chemical

Introducer of—
- Normal hexyl group in syntheses of hypnotics and other pharmaceutical chemicals

Organic chemical miscible with most of the usual organic solvents

Solvent for—
- Dewaxed dammar
- Ester gum
- Hydrocarbons
- Kauri gum
- Linseed oil (raw)
- Rosin
- Shellac

Fats and Oils

Suggested as solvent for—
- Linseed oil (raw)

Resins

Suggested as solvent for—
- Dewaxed dammar
- Ester gum
- Kauri gum
- Rosin
- Shellac

Perfume

Staring point in making—
- Esters

Mono-octyl Adipate

Lubricant

Claimed (Brit. 500222) as—
- Cutting oil base
- High-pressure, thin-film lubricant for incorporation in suitable vehicles (hydrocarbon oils or greases)

1-Parastearamidophenyl-3-methyl-5-pyrazolone

Photographic

Color component (Brit. 458400, 465823, 475191, and 479838) in—
- Silver halide emulsions used in making three-color photographs

---

Pentaerythritol Monobenzoate

Explosives

Ingredient (U.S. 1432321 and 1478892) of—
- Smokeless powders and other explosives

4-Piperidinophenylmethylsulphone

Chemical

Intermediate (Brit. 490043) in making—
- Medicinal chemicals

Dye

Intermediate (Brit. 490043) in making—
- Dyestuffs

Valeric Acid Isopropylbutylester

Chemical

Dispersing agent (Germ. 626880) in making—
- Emulsions of various chemicals
- Textile lubricants in emulsified form

Cosmetic

Dispersing agent (Germ. 626880) in making—
- Emulsified cosmetics

Fats, Oils, and Waxes

Claimed (Germ. 626880) as—
- Powerful emulsifier for fats, oils, and waxes

Dispersing agent (Germ. 626880) in making—
- Emulsified boring oils
- Emulsified drilling oils
- Emulsified fat-splitting preparations
- Emulsified fatty acids of animal or vegetable origin
- Emulsified greasing compositions
- Emulsified greasing and lubricating compositions containing various vegetable and animal fats and oils
- Emulsified preparations of natural or synthetic waxes
- Emulsified sulphonated oils
- Emulsified wire-drawing oils
- Emulsions of animal or vegetable fats and oils

Leather

Dispering agent (Germ. 626880) in making—
- Emulsified compositions for softening hides
- Emulsified dressing compositions
- Emulsified fat-liquoring baths
- Emulsified finishing compositions
- Emulsified soaking compositions
- Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Germ. 626880) in making—
- Automobile polishes in emulsified form
- Emulsified furniture polishes
- Emulsified greasing compositions
- Waterproofing compositions in emulsified form

Paint and Varnish

Dispersing agent (Germ. 626880) in making—
- Waterproofing compositions in emulsified form

Paper

Dispersing agent (Germ. 626880) in making—
- Emulsified compositions for sizing paper and pulp articles
- Emulsified compostions for waterproofing paper and pulp compositions and paperboard
- Waxing compostions in emulsified form

Petroleum

Dispersing agent (Germ. 626880) in making—
- Emulsified mineral oils
- Kerosene emulsions
- Naphtha emulsions
- Soluble greases in emulsified form
- Solubilized emulsified oils and distillates
- Various textile oils in emulsified form, such as rayon oils

Soap

Dispersing agent (Germ, 626880) in making—
- Emulsified detergents, containing soaps, used for various purposes
- Emulsified hand-cleansing compositions containing soap
- Emulsified textile soaps

Textile

Finishing

Dispersing agent (Germ. 626880) in making—
- Emulsified coating compositions
- Emulsified sizing compositions
- Emulsified washing compositions
- Emulsified waterproofing compositions
- Emulsified waxing compositions

Manufacturing

Dispersing agent (Germ. 626880) in making—
- Emulsified baths for degumming and boiling-off silk
- Emulsified baths for soaking silks
- Emulsified compositions used for degreasing raw wool
- Oiling emulsions for various textile purposes

Xylylmethylpyridinium Chloride

Insecticide

Mothproofing agent (Brit. 483368) for treating—
- Feathers and fibrous materials of animal origin, such as spun or unspun wool (claim is made that it can be applied from neutral or slightly alkaline aqueous solutions and is very fast to washing)

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Agents Wanted

SALES REPRESENTATIVES wanted in the following cities for complete mineral pigment line. Representatives with impeccable reputations are wanted. Detroit—Louisville—Kansas City—New Orleans—St. Paul. BOX 144, Oil, Paint and Drug Reporter.

Businesses Wanted

INTERESTED in buying dry color manufacturing, importing, exporting or jobbing business. BOX 133, Oil, Paint and Drug Reporter.

Capital Wanted

SPLENDID OPPORTUNITY for experienced chemist or chemical engineer, to manage new plant reclaiming waste sludge. Sale of finished product profitably assured. Investment required, $10,000-$15,000, secured with optional withdrawal after one year. State qualifications. Principals only. Box 132, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Proctor & Schwartz atmospheric tray dryer, 2,400 sq. ft.; Gordon 2-truck dryer; Oliver 3 ft.x½ ft. lab. rotary filter; No. 7 and No. 10 Sweetland filters; two Anderson expellers, motor driven; four 7x5 ft. pebble mills; 9x24, 12x30 and 16x40 in. 3 roll mills; 3x8 ft. rotary steam tube dryer; No. 27 and No. 30 Devine vacuum shelf dryers; No. 00, No. 0 and No. 1 Raymond Mills; Gruendler 50 H.P. hammer mill; Stedman 42-inch disintegrator; three 900 gal. closed, jack., agitated kettles; 32-in. copper basket centrifugal; 36-in. copper coating pan; jacketed, agitated vacuum stills; copper, aluminum, steel and glass lined kettles and tanks; Hammer mills; crushers and pulverizers; powder mixers; tablet machines, ½-in. to 2½-in., single punch and rotary; filter presses to 36-in. sq.; disc filters; iron mills; portable agitators; bottle fillers and washers. Only partial listing. Write for chemical bulletin No. 128 and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE—One agitator type 400 gallon closed steam-jacketed steel kettle, internal pressure, 200 lb., bottom and side jacket capacity 100 lbs., price $200, also Taco No. 50 condenser or heat exchanger, $50. Mounted, ready for demonstration. Sargent Mfg. Co., Mt. Vernon, N. Y.

FOR SALE: Three copper vacuum pans, 60, 100 and 150 gallons; Day jumbo jacketed mixer, 680 gallons; pebble and ball mills, 40 to 1,000 gal.; Patterson 1,000 gal. mixing tanks; 500 gal. steel jacketed mixing tanks; Day, Ross roller mills, 12 in. x 32 in., 12 in. x 30 in.; Day powder mixers, 200 to 2,000 lbs.; jar mills, 1 to 10 gals.; Pony mixers, 8 to 40 gals.; Shriver wood and iron filter presses, 12 in. to 42 in. square; colloid mills, U. S., Premier, etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York, N. Y.

SACRIFICE: 6 ft. x 8 ft. Ball mill, motor driven; eight 26 in. water cooled stone mills; four Patterson 1,000 gal. mixing tanks; one 150 gal. varnish kettle; located Cleveland, Ohio. BOX 142, Oil, Paint and Drug Reporter.

FOR SALE—One Eppenbach No. 1 horizontal colloidal mill stainless steel contact metals equipped with two 1½ H.P. A. C. motors; used short time; price reasonable. Joseph D. Karasck, 2 Broadway, New York.

Equipment Wanted

WANTED — For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. No dealers. BOX 124, Oil, Paint and Drug Reporter.

WANTED—Stone, iron, and/or roller, laboratory mill. No dealers. BOX 152, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY—50x100 one-story concrete floor with drains, no columns, office, good headroom; steam; unrestricted district in Brooklyn. Rent $100 month. The R. L. Kraft Company, Woolworth Building, New York City. Cortlandt 7-9377.

Manufacturing Wanted

OLD ESTABLISHED paint, varnish and chemical manufacturing plant operating at one-third capacity is anxious to increase production and desires to contact those who may be interested in securing the manufacture of similar products at a definite saving. This plant is modern, with latest style pebble, roller and stone mills, agitators, mixing tanks, large tank storage, railroad siding and ample warehouse facilities. Well equipped chemical laboratory, experienced personnel, good labor conditions, ample heat, light, power and water supply. Plant located in central Michigan. BOX 126, Oil, Paint and Drug Reporter.

Materials Offered

OUTSIDE WHITE paint, 63 five-gallon drums finest quality. Closing out. Formerly sold at $3.45 per gallon; will sacrifice. BOX 148, Oil, Paint and Drug Reporter.

FOR SALE—10 drums crude sunflower seed oil, denatured with brucene, for immediate delivery. BOX 150, Oil, Paint and Drug Reporter.

Positions Vacant

CHEMIST WANTED—Industrial finishes manufacturer located in metropolitan New York desires services of chemist with research, formulation, production and control experience in synthetic enamels. Our own employees have been notified of this ad. Please fully state experience. BOX 125, Oil, Paint and Drug Reporter.

A PH. D. with experience in the manufacture of pharmaceuticals to fill an executive position. Give complete data by letter. The S. E. Massengill Co., Bristol, Tennessee.

A1 SALESMAN wanted, familiar with paint and varnish manufacturing trades in Mississippi Valley from Memphis to Minneapolis. This position involves the sale of resins and mineral colors and experience in selling these products desirable but not essential if applicant is outstanding in other respects. None but A1 experienced men should apply. Starting salary commensurate with ability; prospects for advancement exceptional. Reply, giving experience, age and present or immediate past earnings. BOX 145, Oil, Paint and Drug Reporter.

Positions Vacant

SALESMAN with experience in selling clays, talc, whiting, barytes and other minerals to the ceramic, rubber, paint and other industries. Will make headquarters in New York and do some traveling. Write full particulars, age, experience, remuneration expected. Enclose a photograph if now located out of town. BOX 149, Oil, Paint and Drug Reporter.

AN OHIO manufacturer specializing in varnishes, blacks, and aluminum finishes, air drying and baking. Will consider taking on additional accounts of salesmen who are seeking a reliable source of supply. We offer you years of experience, laboratory assistance, uniform quality, protection of accounts and an honest share of the profits. Write in confidence. BOX 151, Oil, Paint and Drug Reporter.

Positions Wanted

POSITION WANTED in wholesale drug house; thirty years' experience, middle age; moderate salary. BOX 146, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers — if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

Surplus Stocks

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Geib, WAlker 5-4250, Barclay Chemical Company, Inc., 75 Varick street, New York.

HIGHER MARKETS—Sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

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Oils, Fats and Waxes

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Waxes

Bees. — Crude, bleachable waxes much firmer. Little offered. Bleached and refined waxes moving well at susptained price schedules.

Candelilla.—Routine call. Steady, well-controlled prices at source.

Carnauba. — Small arrivals from source recently causes comparative scarcity in unsold spot wax. Prices higher. Chalky scarce. Purely a sellers' market. Quotations:—Chalky, ton lots, 57c. to 58c. per pound; 5-bag lots, 57c. to 58½c.; 1-bag lots, 58c. to 59c.; No. 3 North Country, ton lots, 58c. to 59c.; 5-bag lots, 58½c. to 59½c.; 1-bag lots, 59c. to 60c.; No. 1 yellow, ton lots, 72c. to 73c.; 5-bag lots, 72½c. to 73½c.; 1-bag lots, 73c. to 74c.; No. 2 yellow, 71c. to 72c.

Ceresin.—Domestic shaded ½c. per pound. Demand routine.

Japan.—Steady price. Quiet demand. Fair stocks.

Linseed Oil Use Up 8%

Production and consumption of linseed oil during the quarter ended June 30, 1940, as compiled by the Flax Institute of the United States, follows:—

	Gallons	
	1940.	1939.
Stocks, March 31	23,039,938	21,500,132
Production, April quarter	17,117,736	16,643,026
Imports, April quarter	145	2,615
Totals	40,157,819	38,145,773
Less stocks, June 30	17,717,497	17,374,034
Consumption, April quarter	22,440,322	20,771,139
Exports	148,307	17,981

Avocado oil is being experimented with in Guatemala for edible purposes, with a view of replacing olive oil.

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Castalia, Ohio

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SPECIAL ITEMS FROM STOCK
2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other sizes from 2' x 6' up.
1—Louisville 4 ft. 6 in. by 20 ft. Steam Tube Dryer.
12—Vacuum Shelf Dryers, all sizes.
1—Zaremba Triple effect Evaporator, 2,100 sq. ft. per effect.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2,650 gal.
7—3-roll Roller Mills, up to 16 by 40.
1—6' underdriven Putty Chaser, double rollers.
1—5' by 22" Hardinge Conical Ball Mill.
12—Ball Mills, 10 gal. to 500 gal.
2—Shriver 32 in. x 32 in. castiron Filter Presses, recessed, center feed, 30 plates; other sizes from 7" x 7" to 42" x 42".
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.
1—700 gal. Duriron jacketed Kettle.
1—Day 80 gal. Brighton Change Can Mixer.
2—No. 10 Sweetland Filters, 2" and 2½" c.c.; others all sizes.
14—Centrifugal Extractors, 16" to 60".

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Oil Trades Outing Attracted Approximately 175

The Oil Trades Association of New York held its annual sports outing at the Pelham Country Club, Pelham Manor, N. Y., September 10. Despite rain in the morning the attendance was large, more than 175 members and guests being present. Golf was participated in by about 100 players, and about 25 prizes were awarded. The Bert Squier cup, the association golf trophy, was won by C. A. Breen with a gross score of 77. Other sporting activities included baseball, bowling and swimming. Luncheon and dinner were served at the club and the affair was voted one of the most enjoyable in recent years.

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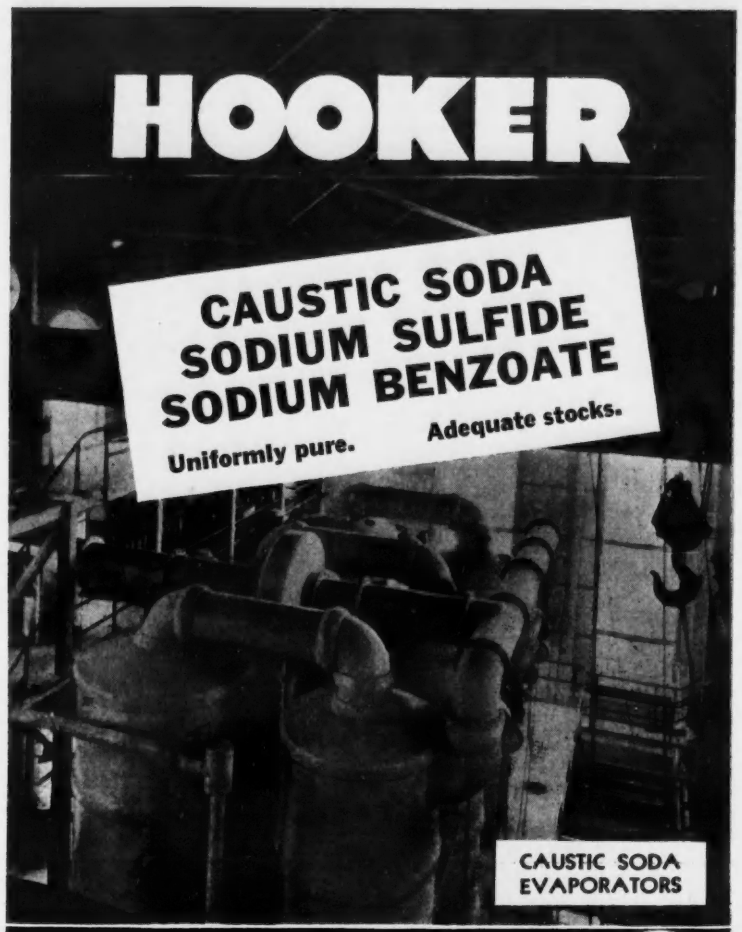

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